



AGENDA

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

BOARD OF DIRECTORS MEETING

Thursday, November 5, 2015 • 9:00 a.m.

Grace E. Simons Lodge

1025 Elysian Park Drive, Los Angeles, CA 90012

Los Angeles Regional Interoperable Communications System Authority (the "Authority")

AGENDA POSTED: October 30, 2015

Complete agendas are made available for review at the designated meeting location. Supporting documentation is available at the LA-RICS Office located at 2525 Corporate Place, Suite 100, Monterey Park, CA 91754 during normal business hours and may also be accessible on the Authority's website at <http://www.la-rics.org>.

Members:

1. **Miguel Santana**, CAO, City of Los Angeles
2. **Ralph Terrazas**, Fire Chief, City of Los Angeles Fire Dept.
3. **Charles L. Beck**, Vice Chair, Chief of Police, LA Police Dept.
4. **Sharon Tso**, Chief Legislative Analyst, City of Los Angeles
5. **Sachi Hamai**, Chair, CEO, County of Los Angeles
6. **Daryl L. Osby**, Fire Chief, County of Los Angeles Fire Dept.
7. **Jim McDonnell**, Sheriff, County of Los Angeles Sheriff's Dept.
8. **Cathy Chidester**, Dir., EMS Agency, County of LADHS
9. **Steven K. Zipperman**, Chief of Police, LA School Police Dept.
10. **Bill Walker**, Fire Chief, City of Alhambra Fire Dept.
11. **Larry Giannone**, Chief of Police, City of Sierra Madre Police Dept.
12. **Mark R. Alexander**, City Manager, CA Contract Cities Assoc.
13. **Kim Raney**, Chief of Police, City of Covina Police Dept.
14. **Douglas Prichard**, City Manager, City of Rolling Hills Estates

Alternates:

Patty Huber, Asst., CAO, City of Los Angeles
Graham Everett, Asst., Chief, City of Los Angeles Fire Dept.
Maggie Goodrich, Chief Information Officer, LA Police Dept.
Matias Farfan, Asst., Chief Legislative Analyst, City of Los Angeles
Tom Tindall, Director, CEO, County of Los Angeles
Chris Bundesen, Asst., Fire Chief, County of Los Angeles Fire Dept.
Dean Gialamas, Division Dir., County of Los Angeles Sheriff's Dept.
Karolyn Fruhwirth, Asst., Dir., EMS Agency, County of LADHS
Jose Santome, Deputy Chief, LA School Police Dept.
Chris Donovan, Fire Chief, City of Monrovia Fire Dept.
Joe Ortiz, Captain, City of Sierra Madre Police Dept.
Sam Olivito, Executive Dir., CA Contract Cities Assoc.
David Povero, Captain, City of Covina Police Dept.
Greg Grammer, Asst., City Manager, City of Rolling Hills Estates

Officers:

Patrick Mallon, Executive Director
John Naimo, County of Los Angeles Auditor-Controller
Joseph Kelly, County of Los Angeles, Treasurer and Tax Collector
Priscilla Lara, Board Secretary



NOTE: ACTION MAY BE TAKEN ON ANY ITEM IDENTIFIED ON THE AGENDA

I. CALL TO ORDER

II. ANNOUNCE QUORUM – Roll Call

III. APPROVAL OF MINUTES (A)

A. October 1, 2015 – Regular Meeting Minutes

Agenda Item A

IV. PUBLIC COMMENTS

V. CONSENT CALENDAR – (None)

VI. REPORTS (B-D)

B. Director’s Report – Pat Mallon

- LTE Project Status
 - LTE Environmental Status
 - LTE Construction Status
 - LTE Contract Status
- LMR Project Status
 - LMR Environmental Status
 - LMR Contract Status

C. Project Manager’s Report – Pat Mallon

Agenda Item C

D. Grant Status Report – Pat Mallon



VII. DISCUSSION ITEMS (E-F)

E. Status of Membership Opt-Out and Impact on Funding Plan

Agenda Item E: Enclosure

F. Outreach Update

Agenda Item F

VIII. ADMINISTRATIVE MATTERS (G-I)

G. FEDERAL AGENCY REIMBURSEMENT AGREEMENTS

It is recommended that your Board:

1. Find that approval and execution of the Federal Agency Reimbursement Agreements is not a project under Section 15378 (b)(4) and (5) the California Environmental Quality Act (CEQA).
2. Delegate authority to the Executive Director to execute agreements between the Authority and certain federal agencies, in the form required by each respective federal agency, to allow these federal agencies to recover costs associated with processing applications and conducting any environmental analysis that may be required to allow for construction, operation, and maintenance of the LMR System.

Agenda Item G

H. APPROVE AMENDMENT NO. 14 TO AGREEMENT NO. LA-RICS 007 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM – LAND MOBILE RADIO SYSTEM

It is recommended that your Board:

1. Find that the approval and execution of Amendment No. 14 for the reprogramming of UHF frequencies and the purchase of upgraded equipment for Agreement No. LA-RICS 007 is exempt from review under the California Environmental Quality Act (CEQA) under CEQA Guidelines Section 15061 (b)(3), and is also not a project under CEQA pursuant to CEQA Guidelines Sections 15378(b)(2) and 15378(b)(5).



2. Approve Amendment No. 14 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to reprogram the UHF frequencies and purchase upgraded equipment for LASD's Station B and the Authority's SOW for use at certain scheduled events, increasing the Maximum Contract Sum by \$64,256, from \$293,575,015 to \$293,639,271.
3. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 14.
4. Delegate authority to the Executive Director to execute Amendment No. 14, in substantially similar form, to the enclosed Amendment.

Agenda Item H: Enclosures

I. AGREEMENT FOR FREQUENCY LICENSING COORDINATION SERVICES

It is recommended that your Board:

1. Delegate authority to the Executive Director, or his designee, to execute an Agreement with APCO that will allow APCO to provide frequency licensing coordination services for all the frequencies operating on the Authority's LMR System for a not-to-exceed amount of \$1,000,000, for a term of five (5) years commencing on the Effective Date with three (3) additional one year renewal options. The Agreement shall be approved as to form by Counsel for the Authority.
2. Delegate authority to the Executive Director, or his designee, to renew the Agreement with APCO on an annual, as-needed basis, until either party terminates the Agreement pursuant to Section 4, (Term; Termination for Convenience) of the Agreement, which is enclosed, subject to availability of funds.

Agenda Item I

IX. MISCELLANEOUS – (None)

X. ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE BOARD



XI. CLOSED SESSION REPORT

Conference with Legal Counsel – Anticipated Litigation (subdivision (d) (2) and (d) (4) of Government Code Section 54956.9) (2 cases)

XII. ADJOURNMENT and NEXT MEETING:

Thursday, December 3, 2015, at 9:00 a.m., at the Grace E. Simons Lodge.



BOARD MEETING INFORMATION

Members of the public are invited to address the LA-RICS Authority Board on any item on the agenda prior to action by the Board on that specific item. Members of the public may also address the Board on any matter within the subject matter jurisdiction of the Board. The Board will entertain such comments during the Public Comment period. Public Comment will be limited to three (3) minutes per individual for each item addressed, unless there are more than ten (10) comment cards for each item, in which case the Public Comment will be limited to one (1) minute per individual. The aforementioned limitation may be waived by the Board's Chair.

(NOTE: Pursuant to Government Code Section 54954.3(b) the legislative body of a local agency may adopt reasonable regulations, including, but not limited to, regulations limiting the total amount of time allocated for public testimony on particular issues and for each individual speaker.)

Members of the public who wish to address the Board are urged to complete a Speaker Card and submit it to the Board Secretary prior to commencement of the public meeting. The cards are available in the meeting room. However, should a member of the public feel the need to address a matter while the meeting is in progress, a card may be submitted to the Board Secretary prior to final consideration of the matter.

It is requested that individuals who require the services of a translator contact the Board Secretary no later than the day preceding the meeting. Whenever possible, a translator will be provided. Sign language interpreters, assistive listening devices, or other auxiliary aids and/or services may be provided upon request. To ensure availability, you are advised to make your request at least 72 hours prior to the meeting you wish to attend. (323) 881-8291 or (323) 881-8295

SI REQUIERE SERVICIOS DE TRADUCCION, FAVOR DE NOTIFICAR LA OFICINA CON 72 HORAS POR ANTICIPADO.

The meeting is recorded, and the recording is kept for 30 days.



BOARD OF DIRECTORS MEETING MINUTES

LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

October 1, 2015
Grace E. Simons Lodge
1025 Elysian Park Drive, Los Angeles, CA 90012

Board Members Present:

Sachi Hamai, Chair, CEO, County of Los Angeles
Bill Walker, Fire Chief, City of Alhambra Fire Dept.
Larry Giannone, Chief of Police, City of Sierra Madre Police Dept.
Kim Raney, Chief of Police, City of Covina Police Dept.

Alternates For Board Members Present:

Patty Huber, Asst., CAO, alternate for Miguel Santana, CAO, City of Los Angeles
Graham Everett, Asst., Chief, alternate for Ralph Terrazas, Fire Chief, City of Los Angeles Fire Dept.
Maggie Goodrich, CIO, alternate for Charles L. Beck, Vice Chair, Chief of Police, Los Angeles Police Dept.
Matias Farfan, Asst., Chief Legislative Analyst, alternate for Sharon Tso, Chief Legislative Analyst, City of Los Angeles
Chris Bundesen, Asst., Fire Chief, alternate for Daryl L. Osby, Fire Chief, County of Los Angeles Fire Dept.
Dean Gialamas, Division Dir., alternate for Jim McDonnell, Sheriff, Los Angeles County Sheriff's Dept.
Karolyn Fruhwirth, Asst., Dir., alternate for Cathy Chidester, Director, EMS Agency, County of LA, DHS
Jose Santome, Deputy Chief, alternate for Steven K. Zipperman, Chief of Police, Los Angeles School Police Dept.
Greg Grammer, Asst., City Manager, alternate for Doug Prichard, City Manager, City of Rolling Hills Estates

Officers Present:

Patrick Mallon, LA-RICS Executive Director

Absent:

Mark R. Alexander, City Manager, CA Contract Cities Assoc.

AGENDA ITEM A



I. CALL TO ORDER

Chair Sachi Hamai called the Regular meeting of the Board to order.

II. ANNOUNCE QUORUM – Roll Call

Chair Hamai acknowledged that a quorum was present and asked for a roll call.

III. APPROVAL OF MINUTES (A-B)

A. September 10, 2015 – Regular Meeting Minutes

Chair Hamai asked for a motion to approve, Alternate Member Patty Huber motioned first, seconded by Alternate Member Jose Santome. The Board's consensus was unanimous.

Ayes 13: Hamai, Walker, Giannone, Raney, Huber, Everett, Goodrich, Farfan, Bundesen, Gialamas, Fruhwirth, Santome, and Grammer.

MOTION APPROVED.

B. September 10, 2015 – Special Meeting Minutes

Chair Hamai asked for a motion to approve, Alternate Member Patty Huber motioned first, seconded by Alternate Member Jose Santome. The Board's consensus was unanimous.

Ayes 13: Hamai, Walker, Giannone, Raney, Huber, Everett, Goodrich, Farfan, Bundesen, Gialamas, Fruhwirth, Santome, and Grammer.

MOTION APPROVED.

IV. PUBLIC COMMENTS – (None)

V. CONSENT CALENDAR – (None)

Chair Hamai announced that we received a five year extension on the Broadband Technology Opportunities Program (BTOP) funds. The Legislative team from the County, Joint Powers Authority (JPA) Pat Mallon, and John Geiger worked very hard in Washington to obtain Congressional support. We have the opportunity to drawdown the remaining \$37 million of our initial \$154 million grant and five more years to complete the Long Term Evolution (LTE) project. Chair Hamai congratulated the team for their efforts. Pat Mallon will provide an update on the additional sites that Department of



Defense (DoD) is offering, in order for the excess equipment to be utilized. Chair Hamai stated she will be on the telephone with NTIA today or tomorrow to notify them that we will be submitting a request for the remaining funds.

VI. REPORTS (C-F)

C. Finance Committee Report – John Geiger

John Geiger reported that a regular scheduled meeting of the Finance Committee was held on September 24, 2015. No action items were on the Agenda. A final report from the Alternative Funding Plan Ad-Hoc Committee was received. There is insignificant support for the Alternative Funding Plan, therefore, the 2014 Adopted Funding Plan remains in full force and effect. The 2014 Funding Plan becomes binding upon members on November 24, 2015. The potential consequences were discussed at the Ad-Hoc Committee and were reported back to the Finance Committee. There are concerns amongst the members regarding the amount of financial responsibility and potentially unbudgeted liability under the 2014 Funding Plan. Under our JPA Agreement there are provisions for continued agencies participation without financial obligation as affiliates and as subscribers. An agency can do one of three things: (1) remain a member with full financial obligation under the 2014 Adopted Funding Plan, (2) opt-out of membership and drop from the JPA, (3) submit a request to this Board to convert their status from member to affiliate. As an affiliate there will be no financial obligation under the 2014 Funding Plan nor will there be any voting rights in the JPA. The agency would retain its opportunity to participate in the JPA standing committees and Ad-Hoc Committees and will continue to have a voice through the JPA in interoperable communications. Members who are concerned about this deadline and are interested in converting to affiliate status or to retain the subscriber status are encouraged to contact the Executive Director and Counsel for a smooth transition.

Alternate Member Jose Santome suggested notifying the members that have opted-out and offer them the options. Chair Hamai stated, "great idea."

Board Member Kim Raney stated he was on the Ad-Hoc Committee and does not recall a final report being submitted. Mr. Geiger stated we moved away from considerations of alternative funding plans to a discussion of consequences of no alternative funding plan. There is no written final report. The final report was an oral report. Mr. Geiger stated, "Certainly this Board is well within its discretion and authority to continue the Ad-Hoc Committee for whatever reason and give specific instructions at any time it desires. At this point in time, given the November deadline, it seems clear that there is not an alternative funding plan on the table that has been endorsed for consideration by this Board." Board Member Kim Raney stated he has a different understanding of the resolution.



D. Director's Report – Pat Mallon

Executive Director Pat Mallon provided an update on the status of Funding Plan. During the month of September, we did not receive any additional Notices of Withdrawal. A recap of the impact on the Funding Plan resulting from all cities that have withdrawn is reflected in Agenda Item G. The total impact to the Funding Plan to date remains at 11.87%. A report on the September meeting of the Ad Hoc Committee was provided by Mr. Geiger.

Long Term Evolution (LTE) Project Update

In regard to the LTE project status I don't think we can top the news reported by the Chair regarding the passage of the Continuing Resolution. The Board of Supervisors, Chair Hamai and her Legislative Staff, both in Washington D.C. and here locally, have been working the issue intensively. Our sincerest thanks go out to each and every one of them. We had already been working with NTIA on a three month Administrative Extension, which was also approved yesterday. With the 90 day period, we will be developing a plan to further expand on the LTE system by deploying the excess equipment ordered prior to the suspension as well deployment to other sites during the additional five year window. We will be requesting restoration of the \$37 million in grant funds taken as a result of the downsizing of the system to further improve system coverage. I will keep you posted on our progress in this regard.

Relative to the LTE construction status, as of yesterday, the construction of LTE fixed sites was concluded, with 63 sites completed, 15 Cell-on-Wheel (COW) received. Deployment of the COWs at 10 Southern Californian Edison (SCE) sites, 2 at County of Los Angeles Water Works sites, and 1 at the Sheriff's STAR Center are in progress. One California Highway Patrol (CHP) site in Woodland Hills is pending approval of a site use agreement. One deployable COW will remain available for response as needed to allow for accelerated deployment by eliminating the need for disconnection and securing of the antenna support structure prior to relocation.

Federal Interest

Over the course of the past two weeks, we have received contact from two Department of Justice agencies expressing interest in participating in the LA-RICS system. The Drug Enforcement Administration (DEA) and Alcohol, Tobacco, Firearms and Explosives (ATF) have expressed a desire to participate in both the LTE and Land Mobile Radio (LMR) systems. We will be meeting with the ATF on Monday to clarify their expectations.

California FirstNet Update

The California Office of Emergency Services has solicited information from all public agencies on their "Data" service requirements. Responses to the questionnaire were due to the California Governor's Office of Emergency Services (CalOES) on or



before yesterday. This information will be used in assuring the development of an appropriate plan for the Public Safety Broadband Network in California. On behalf of the California First Responders Network Board, thank you to all of the Los Angeles County area agencies that provided a response to that questionnaire.

Alternate Member Matias Farfan asked if the extension we received on the BTOP grants impacts the date for LTE. Executive Director Pat Mallon stated "No, the contract we have, with amendments, is now for the 63 fixed sites plus the 15 COWs. We will be meeting with Motorola today to discuss the roll-out. NTIA stated they expect the system to be up and running by the end of the 90 days, which is December 31, 2015.

Land Mobile Radio (LMR) Project Status

Executive Director Pat Mallon reported on the LMR environmental status and stated that the discussions with Federal Emergency Management Agency (FEMA) and the City of Los Angeles are continuing relative to the Environmental Impact Analysis. The draft Programmatic Environmental Assessment has been submitted to the City of Los Angeles as Grant Administrator for the UASI grant with all comments from the City and FEMA included. We are continuing outreach efforts to the federal agencies on whose land we are proposing LMR installations.

LMR System Design

We are wrapping up the completion of the base LMR system design and have directed Motorola to move forward with those activities required for obtaining Federal Communications Commission (FCC) licenses on channels granted to LA-RICS for use by the County.

UASI Requested Draft MOA from Judge Robert Bonner

As previously reported, the Legislative, Finance and Joint Operations/Technical Committees have met to discuss the proposed Memorandum of Agreement (MOA) from Judge Bonner regarding coordination of efforts by LA-RICS and ICIS to insure interoperability throughout Los Angeles County. A subcommittee of four representatives from the Joint Operations and Technical Committees are working to develop recommended language of the MOA. This subcommittee consists of two members each from the separate Operations and Technical Committees. The product of that subcommittee will be shared with the Joint Committee and then presented to your Board for consideration.

E. Project Manager's Report – Pat Mallon

The Jacobs Project Management Report and Motorola Monthly Report are included in your package as Agenda Item E.



F. Grant Status Report – Pat Mallon

There has been no change to the status of grants awarded to LA-RICS since your last meeting. We have sought an update on the question of supplanting under the UASI grant program from the Los Angeles City grant administrators. Unfortunately, due to the ongoing wild fires in northern California, much of the CalOES staff has been consumed in their support of the firefighting effort. The City grant administrators are working to facilitate a call between LA-RICS and the CalOES grant office. The City also advised that CalOES requested information on job descriptions for each relevant position which the City has provided.

VII. DISCUSSION ITEMS (G)

G. Status of Membership Opt-Out and Impact on Funding Plan

The purpose of this discussion item is to update your Board on the number of member agencies that have opted-out of the LA-RICS Membership to date, and corresponding impact on the Adopted Funding Plan. As of the Board agenda filing date, there are no updates to report from that provided at your September 10, 2015 meeting.

VIII. ADMINISTRATIVE MATTERS (H)

H. AMENDMENT NO. 19 FOR OUTREACH ACTIVITIES TO PROJECT AND CONSTRUCTION MANAGEMENT SERVICES AGREEMENT (CONTINUED FROM MEETING OF SEPTEMBER 10, 2015)

It is recommended that your Board:

1. Approve Amendment No. 19 to the Project and Construction Management Services contract with Jacobs, in substantially similar form to the Enclosure, which revises the contract to increase the scope and level of effort to complete outreach activities for the LMR portion of the project and provide outreach associated with the CEQA/NEPA environmental component of the project increasing the Maximum Contract Sum by \$1,255,765 from \$35,753,651 to \$37,009,416.
2. Delegate authority to the Executive Director to execute Amendment No. 19 with Jacobs, substantially similar in form to the Enclosure.

Alternate Member Maggie Goodrich stated that at the last meeting Board Member Mark Alexander asked for hourly scheduled rates, and was told there was an oversight not including that attachment. Alternate Member Maggie Goodrich stated she has not seen it. Administrative Chief Susy Orellana-Curtiss stated Katz



Outreach hourly rate is \$195 and 5,833 hours, which is currently contemplated in the Jacobs contract. For Environmental Outreach, there are 1,436 hours and for the general construction agency notification ongoing communication and the door to door outreach is a total of 4,397 hours.

Chair Hamai asked for a motion to approve, Alternate Member Dean Gialamas motioned first, seconded by Alternate Member Chris Bundesen. The Board's consensus was unanimous.

Ayes 13: Hamai, Walker, Giannone, Raney, Huber, Everett, Goodrich, Farfan, Bundesen, Gialamas, Fruhwirth, Santome, and Grammer.

IX. MISCELLANEOUS – (None)

X. ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE BOARD

XI. CLOSED SESSION REPORT (NO CLOSED SESSION REPORT)

Conference with Legal Counsel – Anticipated Litigation (subdivision (d) (2) and (d) (4) of Government Code Section 54956.9) (2 cases)

XIII. ADJOURNMENT and NEXT MEETING:

Chair Hamai announced adjournment of this meeting at 9:24 a.m. The Board's consensus was unanimous. The next Board meeting will take place on Thursday, November 5, 2015, at 9:00 a.m., at the Grace E. Simons Lodge.



BOARD MEETING INFORMATION

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Los Angeles Regional Interoperable Communications System

PROJECT DESCRIPTION

Events of 9-11-01 have highlighted the need for first responders to be able to communicate with each other. Emergency communications primarily address local jurisdictional needs. Most agencies utilize separate radio towers and equipment, often co-located as seen here, and separate radio frequencies.

Currently, there is duplication of costs and first responders cannot communicate with each other. Many legacy systems around the County are obsolete and well beyond their useful life. The LA-RICS Project Vision is to construct, own, operate, and maintain a regional, interoperable public safety radio system. The program will establish a County-wide public safety wireless voice and data radio system for all first and secondary responders. Existing radio frequencies will be pooled and the current infrastructure utilized wherever practical. New FCC licensed broadband spectrum will be utilized.

Design, construction, and deployment of two County-wide systems (1) Land Mobile Radio (LMR) voice network will utilize a pool of 88 existing communications sites and (2) Long Term Evolution (LTE) broadband data network will utilize a pool of 231 existing communications sites. Both systems will comply with CEQA and NEPA standards.

Project and Construction Management Services will provide network, infrastructure, project, and advisory services across 5 program phases for each of the LMR and LTE projects:

- Phase 1 - System design
- Phase 2 - Site construction and modification
- Phase 3 - Supply telecommunication system components
- Phase 4 - Telecommunications system implementation
- Phase 5 - Telecommunications system maintenance

Location:

2525 Corporate Place, Suite 100
Monterey Park, CA 91754

Authority:

Los Angeles Regional Interoperable
Communications System

Management:

LA-RICS Project Team

Consultant:

Jacobs Program Management Company

Communications Vendor:

LMR - Motorola Solutions, Inc.

LTE - Motorola Solutions, Inc.



Monthly Report No. 43

For October, 2015

Submitted October 29, 2015

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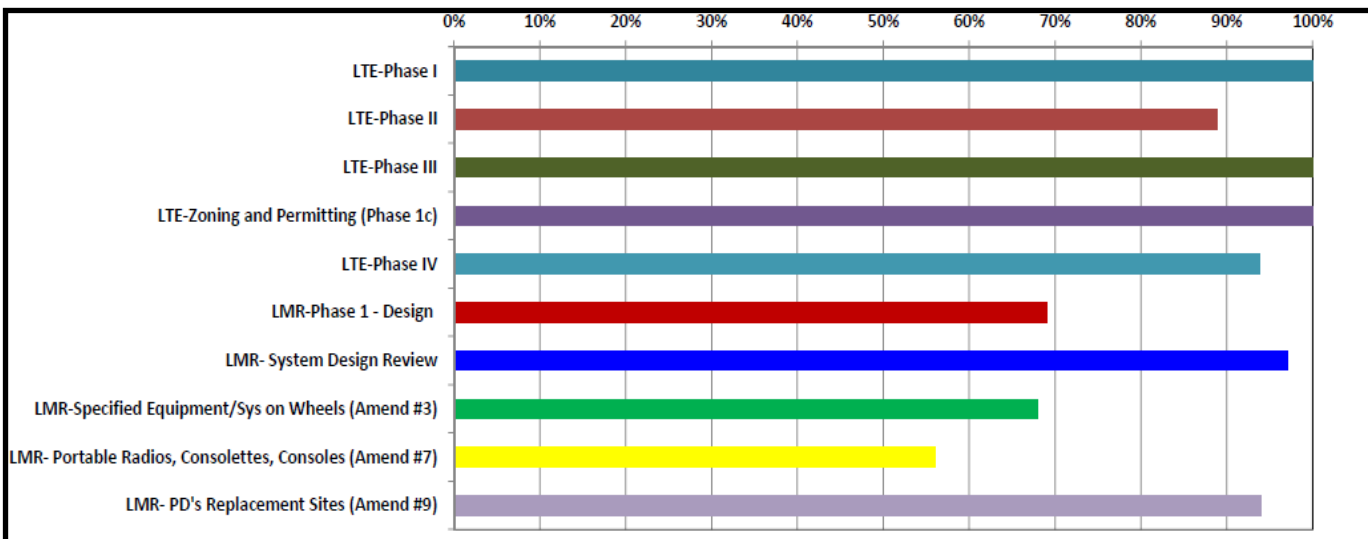
PROGRAM DASHBOARD

CATEGORY	RATING	CHANGE	COMMENTS
SAFETY	●	NO CHANGE	
QUALITY	●	NO CHANGE	
SCHEDULE	●	CHANGE	CONSTRUCTION IS SCHEDULED TO COMPLETE BY SEPTEMBER 30, 2015.
COST/BUDGET	●	CHANGE	REVISED GRANT AMOUNT FROM NTIA
RISK	●	CHANGE	GRANT CAP RESPONSE AND COMPLETION OF SITES UNDER THE AMENDED PROGRAM
PROJECT STAFFING	●	CHANGE	CHANGE MANAGEMENT IS CREATING A STAFFING SHORTAGE FOR PORCESSING DAILY WORK.

ACTIVITIES STATUS

ITEM	STATUS	DUE DATE
LTE PHASE I	COMPLETED	AUGUST, 2015
LTE PHASE II	IN PROGRESS	SEPTEMBER, 2015
LTE PHASE III	IN PROGRESS	SEPTEMBER, 2015
LTE ZONING AND PERMITTING (PHASE 1C)	IN PROGRESS	SEPTEMBER, 2015
LTE PHASE IV	IN PROGRESS	SEPTEMBER, 2016
LMR PHASE 1 DESIGN	IN PROGRESS	NOVEMBER, 2015
LMR SYSTEM DESIGN	IN PROGRESS	DECEMBER, 2015
LMR SPECIFIED EQUIPMENT/SYS ON WHEELS (AMEN #3)	IN PROGRESS	OCTOBER, 2015
LMR PORTABLE RADIOS, CONSOLETTES, CONSOLES (AMEND #7)	IN PROGRESS	NOVEMBER, 2015
LMR PD's REPLACEMENT SITES (AMEND #9)	IN PROGRESS	DECEMBER, 2015

DELIVERABLES PROGRESS REPORT



AGENDA ITEM C

LA-RICS MASTER CALENDAR

November 2015 (Proposed)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 1400 – LTE System Design & Site Meeting w/MSI	3 0900 – WESM Mtg 1000 – LMR Weekly Site & System Design Mtg	4 0800 – Weekly LTE Backhaul Mtg 1330 - LA-RICS LMR Early Deployment / LMR Project Review Status	5 JPA Board Mtg 1400 - LA-RICS LTE/LMR Weekly Change Management Meeting	6	7
8	9 1400 – LTE System Design & Site Meeting w/MSI	10 0900 – WESM Mtg 1000 – LMR Weekly Site & System Design Mtg	11 0800 – Weekly LTE Backhaul Mtg 1330 - LA-RICS LMR Early Deployment / LMR Project Review Status	12 1400 - LA-RICS LTE/LMR Weekly Change Management Meeting	13	14
15	16 1400 – LTE System Design & Site Meeting w/MSI	17 0900 – WESM Mtg 1000 – LMR Weekly Site & System Design Mtg	18 0800 – Weekly LTE Backhaul Mtg 1330 - LA-RICS LMR Early Deployment / LMR Project Review Status	19 1400 - LA-RICS LTE/LMR Weekly Change Management Meeting	20	21
22	23 1400 – LTE System Design & Site Meeting w/MSI	24 0900 – WESM Mtg 1000 – LMR Weekly Site & System Design Mtg	25 0800 – Weekly LTE Backhaul Mtg 1330 - LA-RICS LMR Early Deployment / LMR Project Review Status	26 1400 - LA-RICS LTE/LMR Weekly Change Management Meeting	27	28
29	30 1400 – LTE System Design & Site Meeting w/MSI					

LTE TECHNOLOGY UPDATES

- **LMR/LTE Shared Site Activities**
 - Continued review of all shared LMR/LTE sites
- Issuance of NTP 32 for the purchase of five (5) Cisco routers and five (5) units of data and related work for testing eNodeB sites for backhaul testing
- Issuance of Amendment 13 for the removal of seventy-seven (77) PSBN sites, replacement of one (1) PSBN site, reconciliation of equipment, and various cost changes
- Ongoing IMS activities
- Weekly LTE Development Meetings as well as Daily calls
- LTE project reports:
 - Weekly Status Report
 - Monthly Status Reports
 - Integrated Master Schedule (IMS)
- PSBN testing plan reviewed and approved
- PSBN backhaul installation for leased fiber circuits along with MW is 60% complete
- All 15 COWS have been outfitted with LTE equipment and deliveries to each designated location has started
- SCE utility designs for each COW are completed
- Commenced negotiation for the MSA with SCE
- Proposed Testing Plan to be completed by 12/28/2015

LMR TECHNOLOGY UPDATES

- **LMR/LTE Shared Site Activities**
 - Continued review of all shared 39 LTE/ LMR sites
- Ongoing Working Weekly LMR System Design and Site Documentation meetings
 - 14 of 25 Site drawings reviewed and complete, 11 Site reviews are due this week
- Ongoing Early Deployment engineering
 - Began to develop fleet mapping procedures for Sheriff Test radios
 - Acceptance Test Plans complete
- Completed final review of Motorola Design Deliverables
 - Reviewed with Authority staff and Motorola to document final comments
- Microwave Backhaul design analysis
 - Reviewed paths and reconfigured design to make the design more efficient by using fewer sites and closing local rings
- Ongoing FCC Licensing Meeting
 - Discussion of path forward for all licensing Issues. RFQ for FCC license T-Band frequency sets at all sites.
 - 700 MHz planning and submission for additional five frequencies pairs and seeking Letters of Concurrence from current operators
- Ongoing LMR project reports received weekly/ monthly:
 - Weekly Status Report
 - Monthly Status Report
 - Integrated Master Schedule (IMS)
 - Site Analysis and Inclusion of USFS Sites
 - Participated in Joint Operations and Technical Committee meeting

LTE SITES/CIVIL DELIVERABLES

- Continued oversight of MSI/GD environmental compliance efforts and quarterly NTIA reporting
- Continued to support design process regarding environmental constraints
- CHP has reconsidered to allow the CHP West Valley site to move forward and an SAA is being processed for execution
- With the potential re-instatement of CHPWVLLY there will be a total of 14 COW sites
- As of 10/26 COW deployment has been performed at 13 sites
- Supported the Authority in negotiations with MSI/GD regarding cost implementation of revised CMRs
- Continued oversight of MSI/GD environmental compliance efforts
- SHPO clearance as well as all outstanding environmental compliance tasks have been cleared
- 1 CHP or State sites has been dropped and 14 COW sites remaining
- Construction for the COW's expected to be completed by late October
- Special Events planning are in its initial stages for The Rose Parade. (More to come)

LMR SITES/CIVIL DELIVERABLES

- Attended teleconferences with LA City Mayor's Office Staff, AECOM, and FEMA personnel to discuss NEPA approach for completing the PEA/
- Jacobs submitted an additional Revised Preliminary Administrative Draft PEA to the City for AECOM review on September 27, 2015
- Continued FCC 620/621 preparation for LMR sites. Submitted 22 completed forms to SHPO on October 23, 2015
- Continued preparation of the Biological Assessment
- Team continues to coordinate and prepare a list of LMR sites to initiate topographic survey and 50% Construction Documents.

Activity ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	Total Float	2013				2014				2015				2016				2017				2018				2019
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
LA-RICS MSI LMR Integrated Master Schedule (IMS) Replan																															
Phase 1 - LMR System Design																															
	Phase 1 - LMR System Design	28-Aug-13 A	24-Nov-15	69.26%	174	586																									
	Phase 1 - LMR System Design	28-Aug-13 A	09-Sep-13 A	100%	0																										
	Project Management Plan	09-Sep-13 A	23-Dec-13 A	100%	0																										
	LA-RICS Deliverables	15-Jul-15	15-Oct-15	0%	65	-138																									
	LA-RICS Provides Access to Core Sites	18-Sep-13 A	18-Mar-14 A	100%	0																										
	Early Shipment	27-Sep-13 A	10-Dec-14 A	100%	0																										
	Amendment 3 - Specified Equipment Shipment and System on Wheels	20-Dec-13 A	21-Oct-15	67.53%	150	-232																									
	Amendment 4 - Station B Equipment	20-Dec-13 A	03-Nov-15	66.24%	159	-241																									
	Integration of SOW and STB	23-May-14 A	09-Jun-14 A	100%	0																										
	Amendment 5 - VDC Core 2 Deployment	17-Apr-14 A	06-May-14 A	100%	0																										
	Amendment 7 - Portable Radio Equipment, Consolettes, & Consoles	07-May-14 A	24-Nov-15	55.61%	174	-256																									
	Amendment 8 - Portable Radios and Radio Accessories	28-Aug-14 A	22-Sep-14 A	100%	0																										
	Project Description Preparation	18-Sep-13 A	06-Dec-13 A	100%	0																										
	Amendment 9 - Project Descriptions for 26 potential replacement sites	26-Nov-14 A	01-May-15	94.34%	6	730																									
	Environmental Review	15-Jul-14 A	02-Oct-15	77.99%	68	-246																									
	Design Review	09-Oct-13 A	24-Nov-15	69.83%	162	-256																									
Phase 1a - Licensing Process																															
Phase 1a - Licensing Process																															
	LMR_1547 License Preparation	23-Mar-15	01-Jul-15	0%	72	297																									
	LMR_1549 B.1.6 FCC License and Application Forms - FCC Licenses Granted		02-Jul-15	0%	0	298																									
	LMR_1548 FCC Licensing Processing	02-Jul-15	02-Jul-15*	0%	0	297																									
Phase 1b - Submit Required Permits & Approvals																															
Phase 1b - Submit Required Permits & Approvals																															
	Zoning Permit	05-Oct-15	31-Dec-15	0%	60	-2																									
	Building Permits	26-Oct-15	20-Jan-16	0%	57	-2																									
	Receive Permit Approvals	10-Nov-15	20-Jan-16	0%	45	-2																									
Phase 2 - Site Construction and Site Modification																															
Phase 2 - Site Construction and Site Modification																															
	LMR_1856 Notice to Proceed Phase 2 Received for Sites		02-Oct-15*	0%	0	-199																									
	LMR_1855 Notice to Proceed Phase 2 Received for Materials		02-Oct-15	0%	0	-229																									
	Notice to Proceed Phase 2 for Sites (Broken out by Site #)	28-Sep-15	27-Jan-16	0%	82	-2																									
	Site Construction Materails	05-Oct-15	03-Feb-16	0%	82	-207																									
	Site Build / Modiifcations	18-Nov-15	22-Dec-16	0%	276	53																									
Phase 3 - Supply LMR System Components																															
Phase 3 - Supply LMR System Components																															
	LMR_6800 B.3.9 System Management and Monitoring Subsystem	20-Apr-16	20-Apr-16	0%	1	486																									
	LMR_6425 B.1.6 FCC Licensing	02-Jul-15	02-Jul-15	0%	1	297																									
	LMR_3893 Notice to Proceed Phase 3		24-Nov-15*	0%	0	-256																									
	Manufacturing / Staging / Site Development and Test	25-Nov-15	24-Aug-16	0%	188	8																									
Phase 4 - LMR System Implementation																															
Phase 4 - LMR System Implementation																															
	Phase 4 - LMR System Implementation	23-Mar-15	18-Mar-19	0%	1016	-256																									
	Phase 4 - LMR System Implementation	20-Apr-16	09-May-16	0%	13	473																									

LA RICS LMR Summary Schedule

Data Date 21-Mar-15
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Summary Remaining Work
Actual Work Critical Remaining

Activity ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	Total Float	2013		2014				2015				2016				2017				2018				2019											
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2									
LMR_6805	B.4.1.1.1.7 System Management and Monitoring Subsystem		20-Apr-16	0%	0	486																																		
LMR_3921	Notice to Proceed Phase 4		09-May-16*	0%	0	-230																																		
	RF Emission Safety Report	23-Mar-15	31-Aug-15	0%	114	646																																		
	Implementation & Testing	11-Feb-16	16-Mar-18	0%		-256																																		
	Warranty - 12 months	19-Mar-18	18-Mar-19	0%	261	-256																																		
	Phase 5 - LMR System Maintenance	18-Mar-19	18-Mar-19	0%	0	-256																																		
	Phase 5 - LMR System Maintenance	18-Mar-19	18-Mar-19	0%	0	-256																																		

Activity ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	Total Float	2015					2016					
							Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr		
Total		04-Feb-14 A	11-Mar-16	81.85%	94	-143											11-Mar-16
LA_City		04-Mar-14 A	11-Mar-16	81.6%	94	-143											11-Mar-16
LA.LDWP243		12-Mar-14 A	08-Dec-15	91.89%	30	-79											08-Dec-15
LA.LAPD077		12-Mar-14 A	13-Nov-15	96.64%	14	-64											13-Nov-15
LA.LAPDDVN		12-Mar-14 A	23-Nov-15	96.45%	15	-70											23-Nov-15
LA.LAPDFTH		12-Mar-14 A	06-Nov-15	97.66%	10	-59											06-Nov-15
LA.LAPDHLB		04-Mar-14 A	30-Nov-15	94.56%	24	-73											30-Nov-15
LA.LAPDHWD		12-Mar-14 A	18-Nov-15	96.2%	16	-67											18-Nov-15
LA.LAPDMIS		12-Mar-14 A	23-Nov-15	95.37%	20	-70											23-Nov-15
LA.LAPDNWT		12-Mar-14 A	19-Nov-15	95.98%	17	-68											19-Nov-15
LA.LAPDNHD		12-Mar-14 A	18-Nov-15	96.67%	14	-67											18-Nov-15
LA.LAPDNED		12-Mar-14 A	11-Mar-16	81.05%	94	-143											11-Mar-16
LA.LAPDOLY		10-Mar-14 A	13-Nov-15	96.96%	13	-64											13-Nov-15
LA.LAPDPAC		12-Mar-14 A	10-Dec-15	92.64%	32	-81											10-Dec-15
LA.LAPDRAM		12-Mar-14 A	19-Nov-15	96.22%	16	-68											19-Nov-15
LA.SEP		12-Mar-14 A	06-Nov-15	97.58%	10	-59											06-Nov-15
LA.SWP		12-Mar-14 A	15-Dec-15	91.86%	35	-84											15-Dec-15
LA.LAPDTOP		12-Mar-14 A	17-Nov-15	97.37%	11	-66											17-Nov-15
LA.LAPDVNS		12-Mar-14 A	11-Nov-15	97.35%	11	-62											11-Nov-15
LA.LAPDWLA		12-Mar-14 A	06-Nov-15	97.61%	10	-59											06-Nov-15
LA.LAPDWVD		12-Mar-14 A	17-Nov-15	95.93%	17	-66											17-Nov-15
LA.LAPDWIL		12-Mar-14 A	06-Nov-15	97.58%	10	-59											06-Nov-15
LA.LAPP001		12-Mar-14 A	16-Dec-15	87.8%	36	-85											16-Dec-15
LA.VPC		12-Mar-14 A	20-Nov-15	94.38%	20	-69											20-Nov-15
LA_County		21-Feb-14 A	22-Dec-15	91.38%	40	-89											22-Dec-15
LA.FCCF		12-Mar-14 A	29-Oct-15	98.56%	4	-53											29-Oct-15
LA.MLM		12-Mar-14 A	09-Nov-15	97.11%	11	-60											09-Nov-15
LA.LASDNCC		12-Mar-14 A	10-Nov-15	97.38%	11	-61											10-Nov-15
LA.LASDALD		12-Mar-14 A	06-Nov-15	97.36%	10	-59											06-Nov-15
LA.LASDCSN		12-Mar-14 A	03-Dec-15	93.69%	27	-76											03-Dec-15
LA.CEN		12-Mar-14 A	22-Dec-15	87.69%	40	-89											22-Dec-15
LA.LASDIDT		12-Mar-14 A	16-Nov-15	96.68%	14	-65											16-Nov-15
LA.LASDLKD		12-Mar-14 A	04-Dec-15	93.52%	28	-77											04-Dec-15
LA.LAN		12-Mar-14 A	19-Nov-15	95.56%	19	-68											19-Nov-15
LA.LASDLNX		12-Mar-14 A	17-Dec-15	91.44%	37	-86											17-Dec-15
LA.LHS		12-Mar-14 A	17-Dec-15	91.49%	37	-86											17-Dec-15
LA.LASDNWK		12-Mar-14 A	17-Dec-15	91.61%	37	-86											17-Dec-15
LA.PLM		12-Mar-14 A	22-Dec-15	91.09%	40	-89											22-Dec-15
LA.LASDPRV		12-Mar-14 A	19-Nov-15	95.51%	19	-68											19-Nov-15
LA.LASDSDM		21-Feb-14 A	17-Dec-15	91.97%	37	-86											17-Dec-15
LA.LASDSCV		12-Mar-14 A	10-Nov-15	97.38%	11	-61											10-Nov-15

LA RICS LTE MASTER SCHEDULE

Data Date 24-Oct-15
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Summary Remaining Work
Actual Work Critical Remaining

Activity ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	Total Float	2015					2016							
							Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr				
LA.SLA		12-Mar-14 A	06-Nov-15	97.6%	10	-59													
LA.LASDTEM		12-Mar-14 A	10-Dec-15	92.69%	32	-81													
LA.WAL		12-Mar-14 A	07-Dec-15	93.32%	29	-78													
LA.WHD		12-Mar-14 A	11-Dec-15	92.34%	33	-82													
LA.LACHAR		12-Mar-14 A	30-Nov-15	94.37%	24	-73													
LA.LACOLV		12-Mar-14 A	19-Nov-15	95.1%	19	-68													
LA.RANCHO		12-Mar-14 A	16-Nov-15	95.84%	16	-65													
LA.LACUSC		12-Mar-14 A	02-Dec-15	95.17%	21	-75													
LA.BMT		12-Mar-14 A	15-Dec-15	91.34%	35	-84													
LA.CCT		12-Mar-14 A	23-Nov-15	94.18%	21	-70													
LA.PHN		12-Mar-14 A	17-Dec-15	90.89%	37	-86													
LA.ONK		12-Mar-14 A	22-Dec-15	89.47%	40	-89													
Independent Cities		04-Feb-14 A	29-Dec-15	90.61%	43	-92													
LA.PASDNPD		12-Mar-14 A	10-Dec-15	91.4%	32	-81													
LA.ARCPD01		04-Feb-14 A	16-Nov-15	95.71%	16	-65													
LA.AZPD001		12-Mar-14 A	16-Dec-15	91.51%	36	-85													
LA.CLM		12-Mar-14 A	29-Dec-15	90.18%	43	-92													
LA.ELMNTPD		12-Mar-14 A	24-Nov-15	94.26%	22	-71													
LA.VEFD001		12-Mar-14 A	09-Nov-15	97.12%	11	-60													
LA.VEFD003		12-Mar-14 A	12-Nov-15	96.34%	14	-63													
LA.CPTFD04		12-Mar-14 A	16-Dec-15	90.84%	36	-85													
LA.GARD001		12-Mar-14 A	14-Dec-15	91.48%	34	-83													
LA.PASA001		12-Mar-14 A	10-Dec-15	91.58%	32	-81													
LA.FS5		12-Mar-14 A	25-Nov-15	94.61%	22	-72													
LA.LBPDHQ		12-Mar-14 A	25-Nov-15	95.51%	18	-72													
LA.LBFD012N		12-Mar-14 A	14-Dec-15	92.43%	34	-83													



Monthly Report #26

Reporting Period: 09/14/15 thru 10/17/15

**Los Angeles Regional Interoperable Communications
System (LA-RICS) - Land Mobile Radio System**

Motorola Solutions, Inc.



MOTOROLA SOLUTIONS

AGENDA ITEM C

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1. Executive Summary

The Los Angeles Regional Interoperable Communications System Land Mobile Radio (LA-RICS LMR) program consists of the following five (5) phases; Phase 1 LMR System Design, Phase 2 LMR Site Construction and Site Modification, Phase 3 Supply LMR System Components, Phase 4 LMR System Implementation, and Phase 5 LMR System Maintenance. Phases 1-4 span over a five (5) year period which includes one (1) year of system warranty. Phase 5 provides the Authority with fifteen (15) one year options for Motorola to provide system monitoring and maintenance services.

The LA-RICS LMR program is currently in Phase 1 LMR System Design. Notices-To-Proceed numbers 1 through 13 have been issued authorizing distinct work for system Design services, the design and implementation of the initial deployment of the LMR system elements termed "Early Equipment", "Specified Equipment and System on Wheels", and "Station B Equipment", "Frequency Licensing", "UPS System", and "Portable Radios, Consolettes and Consoles", "Portable Radio Equipment", alternate sites "Project Descriptions", "Frequency Licensing for the Base System" and Bridge Warranty for Early and Specified Equipment.

Motorola and the Authority continue working with the United States Forest Service (USFS) to explore the possibility of using USFS sites to enhance coverage in the Angeles National Forest.

This month's report for the LA-RICS LMR program covers the reporting period from **09/14/15** through **10/17/15**. As of this reporting period Phase 1 LMR System Design is 69% complete. Associated Phase 1 tasks include A&E, Frequency Coordination (continues after final site confirmation), Site Access Agreements and Environmental Review which are currently in progress. These tasks are separate from the RF system design tasks. Once the Site Access Agreements and the Environmental Impact Report (EIR) process are complete, there will be a true up of the actual final site configuration and schedule for the LMR system. The primary Phase 1 activities for this period include:

LMR Design Review (97% Complete)

The LMR System Design is a compilation of documents that will define the architecture, functionality and performance of all of the subsystems that make up the LMR system. It includes all aspects of the system including performance criteria, reliability levels and testing procedures. System Design activities for this period included frequency identification and planning, evaluation of site parameter changes, development of subsystem architecture, and submittal of revised drafts sections of subsystem functional operations. A final set of site parameters was selected to complete the coverage design process. Motorola delivered the updated design documents which the Authority has approved. Discussions have occurred with the City of Los Angeles as to how their needs can best be met within the LA-RICS system. The City is expected to make a final decision in the coming weeks which will result in a new design review. Next steps will be to start construction drawings on the sites the Authority has secured permission for onsite work by Motorola.






- **Test Plan Development (100% Complete)**

Acceptance Test Plans are a part of the LMR System Design deliverable. The test plans outline the test criteria and procedures that will be conducted during the implementation phase. The test plans are designed to demonstrate system functionality and system requirements. The test plans were delivered along with the LMR System Design documents. As part of the LMR System Design review process the Test Plans will be updated upon receipt of the comments from the

Authority.

- **LA-RICS Deliverables - Authority Site Access Agreements**
 Authority’s efforts to develop and execute the applicable Site Access Agreements for the required sites in the LMR design. This task also includes access to the sites that will host the system’s core switching network. Even though no agreements have been executed the Authority has made continued progress with the Member Agencies to finalize Site Access Agreements. This activity is primarily being driven by the Authority’s Outreach Program. With the change of this activity from a task to a milestone it is no longer measuring progress and therefore we only show 0% or 100% complete for each Site Agreement.

The following table provides a dashboard snapshot of the projects’ health signs.

LMR Project Dashboard			
Category	Rating	Change	Comments
Schedule			EIR milestones are under review for determination of schedule impact.
Quality			No quality issues to report
Risk			Risk items have been identified regarding; Spectrum, Site Access Agreements, and Site Conditions. FEMA has suggested an Environmental Process that has impacted the overall schedule..
Scope			Potential scope impacts. T.B.D. as project progresses
Budget			Any budget impact due to environmental delay is yet to be determined.

2. Project Status

The following sections identify task activities during the reporting period and the planned activities for the next reporting period.

2.1 Tasks In Progress or Completed

The following depict the task activity that occurred during the current reporting period.

Activity Name	Activity Status
LA-RICS Deliverables	
Lease Negotiations & Site Access Use Agreement	In Process
NEPA FONSI	In Process
CEQA Notice of Determination	In Process
Project Descriptions	
Develop 3 Additional Project Descriptions (2of 3 Completed)	In Process

2.2 Tasks Planned for Next Period (10/19/15 thru 11/14/15)

The following depict the task activity that is planned for the next reporting period.

Activity Name	Planned Status
LA-RICS Deliverables	
Lease Negotiations & Site Access Use Agreement	On Going
Access to Core Sites	On Going
NEPA FONSI / CEQA Notice of Determination	On Going
Environmental Review & Documentation (Authority)	
Environmental Consultant Initiates CEQA & EHP/NEPA Analysis	On Going
Prepare Preliminary Draft EHP/NEPA Form	On Going
Prepare EIR	On Going
Project Descriptions	
Develop 1 Additional Project Descriptions (Agoura Hills)	On Going

2.3 Authority Look-Ahead Tasks (120-Day)

For the Authority planning purposes the following table provides a one hundred twenty (120) Day look-ahead of the Authority-specific activities to conduct coordination, inspections, approvals, consents, and or provide decisions necessary from the Authority to facilitate Contractor's progress.

Activity Name	Start
LA-RICS Deliverables	
Lease Negotiations & Site Access Use Agreement	09-Sep-13 A
LA-RICS Provides Access to Core Sites	18-Sep-13 A
NEPA FONSI / CEQA Notice of Determination	On Going
Environmental Review & Documentation (Authority)	
CEQA Exemption Applicability & Eligibility Screening & Assessment	On Going
Environmental Consultant Performs CEQA Environmental Review & Prepares Draft CEQA Determination	On Going
Lead Agency CEQA Determination	On Going
Consult Federal Agency and Prepare Draft NEPA Document	On Going
Prepare NEPA Document	On Going
Submit Final EHP & NEPA Document	On Going
Federal Lead Agency NEPA Determination	On Going
Complete Remaining Project Description of the 26 Potential Sites (Simpson Building)	On Plan to Finish
Complete 3 Additional Project Descriptions Review	On Plan to Finish
Phase 1b Submit Required Permits and Approvals	
See Environmental Review & Documentation tasks above	On Going

3. Project Risk Register

Title	Assigned	Impact	Risk Description	Status
Site Condition Changes	Authority	High	Site condition differences from RFP to current condition may impact ability to implement planned installations and delay or require changes to LMR design (e.g. coverage, backhaul, etc.) Changes in the LTE project and sites that have dropped due to availability have had an impact on the LMR at planned shared and or co-located sites. Evaluation of these impacts are under review.	Active
Environmental Process	Authority	High	The individual or collective determination of environmental impacts or mitigations may impact site work or even site viability. Environmental review process is impacting project implementation schedule.	Active
Site Access Agreements	Authority	High	Lease holders approvals are needed in order to implement LA-RICS improvements at sites.	Active
Spectrum Availability, 700 MHz	Authority	High	Lack of frequencies may impact coverage and/or site viability, necessitating design changes.	Active

4. Areas of Concern

This section describes any events and or circumstances of which the Contractor is aware that has delayed or may delay project activities and what corrective or remedial actions was taken or will be taken to resolve the issue. Outstanding Issues Log (the “Oil Log”) entries are also tabulated and monitored in this section. “Oil Log” items include, for example, sequencing, infrastructure, site access, coordination issues, congestion of workers and equipment, time requirements for design, procurement, and installation.

ID	Event / Circumstance	Remedial Action Taken or Required
02-01	Early Construction of Some Sites	Authority determination if construction of some sites can be expedited in Q4 2015. However recent predictions on approval process are pushing expedited construction into Q1 2016.
02-02	System Design impacts due to changes in site conditions	Motorola and the Authority have analyzed probable site changes and suitable site replacement candidates. Adjusted tower heights at some of the sites may impact the coverage.
05-01	Impacts of filing Environmental Impact Report	MSI incorporated the EIR milestones into the project schedule which impacted the start of construction into 2016. MSI and Authority to continue with project schedule impact analysis to pull in project activities to improve revised project plan.

5. Disputes and Claims

This section describes any disputes, potential claims, and claims made during the reporting period.

Dispute / Claim / Potential Claim	Status / Actions	Resolution Date
None to report this period		

6. Financial Status

The following represents the invoice payments that were completed during the reporting period and the remaining amount to be invoiced and paid.

Invoice Payment Category	Invoice Payment Totals
Contract Sum Full Payable Amount (Phase 1)	\$ 41,784,492
Cumulative Invoice Payments from Last Report	\$ 36,351,250
Total Invoice Payments This Period	\$ 31,520
Remaining Amount to be Paid	\$ 5,401,722

7. LA-RICS Master Schedule

An executive view depicting the status of the primary activities:

The project schedule for this report remains unchanged. Upon completion of the Environmental Impact Report and a revised site list for the system has been determined Motorola will develop a revised project schedule for the remaining site design tasks in Phase 1 and all of the tasks in Phases 2 through 4.

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Monthly Report - #20

Reporting Period: 9/14/15 thru 10/16/15

**Los Angeles Regional Interoperable Communications
System (LA-RICS) – Public Safety Broadband Network**

Motorola Solutions, Inc.



MOTOROLA SOLUTIONS

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1. Executive Summary

The Los Angeles Regional Interoperable Communications System - Public Safety Broadband Network (LA-RICS PSBN) project is a 700 MHz Long Term Evolution (LTE) public safety mobile broadband network that will provide broadband services across the County of Los Angeles for the Authority's Member Agencies.

The LA-RICS Authority was awarded a Comprehensive Community Infrastructure (CCI) Broadband Technology Opportunity Program (BTOP) grant by Department of Commerce's National Telecommunications and Information Administration (NTIA) to deploy the LA-RICS PSBN system. The BTOP grant program requires that the LA-RICS PSBN system be compatible with the future Nationwide Public Safety Broadband Network (NPSBN) currently being designed and developed by FirstNet, an independent authority within the NTIA. Additionally the Authority executed a Spectrum Manager Lease Agreement (SMLA) with FirstNet for spectrum usage rights to operate on the 700 MHz public safety broadband spectrum (D-Block). The LA-RICS-PSBN system provides the Authority with the opportunity to work cooperatively with FirstNet, while participating in testing and providing input in what will ultimately form the National Public Safety Broadband Network (NPSBN).

The LA-RICS PSBN program consists of the following five (5) phases; Phase 1 PSBN System Design, Phase 2 PSBN Site Construction and Site Modification, Phase 3 Supply PSBN Components, Phase 4 PSBN System Implementation, and Phase 5 PSBN Maintenance. Phases 1-4 must have construction activities substantially completed by September 30, 2015 to be in compliance with the BTOP grant funding program. The cost for all Work performed that is not covered by the BTOP grant program will be the sole responsibility of the Authority. Phase 5 provides the Authority with the first five (5) years of one year options for Motorola to provide system monitoring and maintenance services.

On March 10, 2014 the Authority issued **NTP 1** authorizing Motorola to begin all work in Phase 1 for System Design services. Phase 1 primary activities include:

- LA-RICS Deliverables
- Project Management Plans
- System Design
- Site Design
- RF Emissions Report
- Inventory and Management System

On April 7, 2014 the Authority issued **NTP 2** for **Amendment 2** to add detailed design services to Phase 1 for Additive Alternate No. 1, a Home Subscriber Server (HSS), and Additive Alternate No. 2, a Redundant Evolved Packet Core (EPC).

On June 20, 2014 the Authority issued **Amendment 3** to exercise the Unilateral Options for all Work pertaining to Phase 2, Site Construction and Site Modification, and Phase 3, Supply PSBN Components.

On June 20, 2014 the Authority issued **NTP 3** to begin limited work related to Phase 2 and Phase 3. Microwave equipment was excluded from NTP 3 until the Authority approves the backhaul design and issues a separate NTP. NTP 3 also authorized Motorola to proceed with all planning and non-site mobilization work related to Phase 2, Site Construction and Site Modification, however, no construction work at a specific project site location will be conducted until the Authority has received all required NEPA and/or any other applicable Federal and State Environmental approvals for each specific location.

On July 10, 2014 the Board of Directors approved **Amendment 4** for Phase 2, Site Construction and Site Modification, and Phase 3, Supply PSBN Components of Additive Alternate No. 1, a Home Subscriber Server (HSS) and Additive Alternative No. 2, a Redundant Evolved Packet Core (EPC).

On September 8, 2014 the Authority issued **NTP 4** to proceed with work related to Phase 3 Supply PSBN Components for Additive Alternate No. 1, a Home Subscriber Server (HSS). Phases 2 and 4 were excluded from NTP 4 as they relate to Additive Alternative No. 1. Per NTP 4, authorization to design and purchase the HSS have been issued but installation and implementation have been excluded.

On September 17, 2014 the Authority issued **NTP 5** authorizing Motorola to proceed with Work related to Site Construction and Site Modification under Phase 2 for Additive Alternate No. 1, Home Subscriber Server (HSS). With respect to Phase 2, Site Construction and Site Modification, the services to be performed for Additive Alternate No. 1 involve minor site preparation activities in order to receive applicable equipment racks within the existing communications rooms at the Fire Command and Control Facility.

On September 25, 2014 the Authority issued **NTP 6** authorizing Motorola to proceed with ordering 40 additional standard equipment packages. As of NTP 6, Motorola is not authorized to proceed with ordering any equipment that is dependent on final design approval from the Authority, including for microwave and backhaul, until such time as the Authority has approved the final design for such sites and issues an NTP. The final site and backhaul design will be completed within 60 days of the Authority finalizing site locations and tower configurations.

On September 26, 2014 the Authority issued **NTP 7** authorizing Motorola to proceed with Phase 4, PSBN Implementation Work. The work related to the installation of the Primary EPC at FCCF consists of installing, optimizing, testing, commissioning, and deploying all of the Authority-authorized portion of the PSBN including, without limitation, all hardware, software, physical and network infrastructure, data, and all other deliverables and other work necessary to implement the full functionality of the PSBN and training staff on the use of the PSBN. NTP 7 excludes installation of the System Management Monitoring Servers (SMMS - the servers required to manage and monitor the PSBN).

On October 1, 2014 the Authority approved **Amendment 6** for the removal of three (3) PSBN Sites and to make the changes necessary to reflect the replacement of undisguised antenna support structures to disguised antenna support structures at 32 PSBN Sites. Amendment 6 increases the Maximum Contract Sum by \$2,613,300 from \$175,583,275 to \$178,196,575.

On October 10, 2014 the Authority issued **NTP 8** authorizing Motorola to modify the existing order of 40 sites contemplated in NTP No. 6 (standard antenna support structures - 70 foot undisguised monopoles) to order 40 sites worth of equipment considering any mix of antenna support structures (undisguised and/or disguised, with disguised antenna support structures limited to 31 sites pursuant to Amendment No. 6) that Motorola deems necessary to commence construction activities. As of this NTP, construction activities remain prohibited pending the Authority receiving FONSI and SHPO approvals.

On October 22, 2014 the Authority issued **NTP 9** authorizing Motorola to proceed with all Phase 4 Work related to the installation of the System Management and Monitoring Subsystem (SMMS) at the County of Los Angeles' Fire Department's Fire Command and Control Facility (FCCF). The NTP included the statement: "Motorola Solutions has agreed to provide a fully geo-redundant SMMS configuration (to

begin implementation in November, 2015).” Motorola provided clarification that the agreement was still under negotiation for cost and schedule delivery and that the deployment of the geo-redundant SMMS was predicated on the NTP for the redundant Evolved Packet Core (EPC).

On November 4, 2014 the Authority issued **NTP 10** authorizing Motorola to begin construction on 94 sites provided within the NTP.

On December 2, 2014 the Authority issued **NTP 11** authorizing Motorola to proceed with all Work necessary for ordering and installing site routers and core routers at FCCF, LAPDVDC, and all sites for Phase 3, Supply PSBN Components. NTP also authorized Motorola to proceed with all Work related to Phase 3 for Additive Alternate 2 Redundant EPC to be located at LAPDVDC.

On December 2, 2014 the Authority issued **NTP 12**, authorizing Motorola to proceed with ordering an additional 75 PSBN Sites worth of standard equipment, such as antenna support structures Evolved Packet Core (EPC) components, eNodeB components, antennas, and associated accessories for all sites that are not dependent on final design approval. Additionally, Motorola is authorized to proceed with the ordering of all Work related to Phase 3, Supply PSBN Components, and Phase 4, PSBN Implementation, for TMR Cabinets and TMR battery backup components for 75 PSBN Sites.

On December 30, 2014 the Authority issued **NTP 13**, authorizing Motorola to begin construction on 31 City of Los Angeles Sites listed in NTP.

On December 31, 2014 the Authority approved **Amendment 7** to make changes necessary to reflect the replacement of undisguised antenna support structures with various types of antenna support structures at eight PSBN Sites.

On January 22, 2015 the Authority issued **NTP 14**, authorizing Motorola to proceed with ordering 25 vehicular routers.

On January 28, 2015 the Authority issued **NTP 15**, authorizing Motorola to begin construction on the two sites VEFD001 and VEFD003

On February 5, 2015 the Authority approved **Amendment 8** for the removal of thirty-six (36) PSBN Sites, include six (6) new PSBN Sites and to make the changes necessary to reconcile the hose tower installation costs for twenty-eight (28) PSBN Sites. Amendment 8 decreases the Maximum Contract Sum from \$178,196,575 to \$166,254,679.

On March 3, 2015 the Authority issue **NTP 16**, authorizing Motorola to begin construction on the four sites; ARCPD01, AZPD001, ELMNTPD, LACF159.

On March 4, 2015 the Authority issue **NTP 17**, authorizing Motorola to proceed with ordering and implementing TMR cabinets for seventy-five (75) sites.

On March 3, 2015 the Authority and Motorola presented its project status report to the NTIA and NOAA representatives. The meeting highlighted the equipment procurement plan and implementation plan to deploy 182 sites by August 15, 2015. Motorola presented the updated PSBN system coverage maps based on the 182 sites.

On March 5, 2015 the Authority approved **Amendment 9** for the removal of twenty-four (24) PSBN Sites, include six (6) new PSBN Sites and to make the changes necessary to accommodate various changes in civil construction scope at applicable sites.. Amendment 9 decreases the Maximum Contract Sum from \$166,254,679, to \$158,930,274.

On March 10, 2015 the Authority issue **NTP 18**, authorizing Motorola to proceed with ordering the necessary microwave radio equipment and accessories to implement the PSBN microwave paths identified in the approved PSBN backhaul design.

On March 18, 2015 the Authority issue **NTP 19**, authorizing Motorola to proceed with all Work related to Phase 4 (PSBN implementation) for Additive Alternate 2, Redundant Evolved Packet Core (EPC) at the Los Angeles Police Department Valley Dispatch Center (LAPDVDC).

On April 2nd, 2015 the Authority issued a formal **Suspension Order**, directing Motorola to halt the procurement equipment.

On April 3rd, 2015 the Authority received a **Stop Work Notice** for all work and was issued a Corrective Action Plan (CAP) from NOAA to be submitted by April 13, 2015. Between 3/3/15 and 3/13/15 Motorola produced numerous supporting coverage scenarios for the Authority to include within the CAP response.

On April 16, 2015 the Authority issued a letter to Motorola requesting a plan for reduced scope and an analysis of cost impact. A Schedule was released on 5/07/15 and is updated on a weekly basis.

On May 7, 2015 the Authority issued **NTP 20**, authorizing Motorola to proceed with ordering the necessary microwave radio equipment and accessories to implement the PSBN microwave paths remaining as part of the CAP site list.

On May 7, 2015 the Authority issued **NTP 21**, partially cancelling the Suspension Order that was issued on April 3, 2015 and authorized construction to resume at the 69 sites identified in the Corrective Action Plan.

On May 7, 2015 the Authority issued **NTP 22**, directing Motorola to 1) look at options are returning Additive Alternate No. 1, the Redundant Evolved Packet Core (EPC), assigned to the Los Angeles Police Department Valley Dispatch Center (LAPDVDC) to Ericsson; (2) recover the redundant EPC for Motorola's use in other projects or (3) resell the Redundant EPC to a secondary market. Motorola is evaluating the cost impacts and the legal possibilities with the directive issued in this NTP.

On May 12, 2015 the Authority issued **NTP 23**, authorizing Motorola to order fiber optic equipment and provide services via contract between Fujitsu and Motorola in order to create a link between the FCCF and the City fiber ring. NTP 23 was limited to the County portion of the design.

On May 15, 2015 the Authority issued **NTP 24**, authorizing Motorola to order leased fiber services from AT&T, Verizon, and Time Warner to provide connections between the applicable CAP sites and the FCCF EPC site.

On May 15, 2015 the Authority issued **NTP 25**, directing Motorola to 1) return the excess PSBN equipment to its manufacturers, 2) recover the excess equipment for Motorola's use in other projects,

or 3) resell the excess PSBN equipment to a secondary market, in accordance with the list of equipment in the NTP. Motorola is evaluating the list of equipment provided in the NTP and the cost impacts and the legal possibilities with the directive issued in this NTP.

On May 20, 2015 the Authority issued **NTP 26** Authorizing Motorola to order fiber optic equipment and provide services via contract between Fujitsu and Motorola to create a link between the EPC located at the Los Angeles County Fire Department's FCCF facility and the City Los Angeles fiber ring. NTP 26 expands upon the products and services in NTP 23 to include the City portion of the fiber scope.

On June 18, 2015 the Authority approved **Amendment 10** for the Inclusion of 15 Cell-On-Wheels and the Construction Restoration Work at 30 PSBN Sites.

On June 25, 2015 the Authority issued **NTP 27** Authorizing Motorola to proceed with all Phase 1 (System Design) Work for fifteen (15) Cell-On-Wheels (COWs) sites.

On June 30, 2015 the Authority issued **NTP 28** Authorizing Motorola to proceed with all Work related to construction restoration for thirty (30) PSBN Sites that have been removed from the program.

On June 30, 2015 the Authority issued **NTP 29** Authorizing Motorola to proceed with ordering nine hundred and seventy-five (975) VML-750 in-vehicle router units.

On July 16, 2015 the Authority approved **Amendment 11** to add 15 Cell-On-Wheels (COWs) and the PASDNPD site to the PSBN program.

On July 16, 2015 the Authority issued **NTP 30** Authorizing Motorola to proceed with all Phase 2 (Site Construction and Site Modification), Phase 3 (Supply PSBN components), and Phase 4 (PSBN Implementation) Work for fifteen (15) Cell-On-Wheels (COWs).

On August 13, 2015 the Authority approved **Amendment 12** to remove forty-two (42) sites from the PSBN system, authorize the removal of seven (7) tower foundations at the applicable restoration sites, to purchase 5,000 Universal Integrated Circuit Cards (UICC), purchase of five (5) CISCO routers and five (5) corresponding units of data services, and approvals for applicable change orders.

On August 13, 2015 the Authority issued **NTP 31** Authorizing Motorola to proceed with ordering five thousand (5,000) standalone universal Integrated Circuit Cards (UICCs)

On September 1, 2015 the Authority issued **NTP 32** authorizing Motorola to proceed with ordering five (5) CISCO routers and five (5) corresponding units of data and related Work that are capable of operating a 4G cellular aircard on a commercial carrier that will allow Motorola and the Authority to temporarily test eNodeB sites in the event that the permanent backhaul solution is not available at the time of site commissioning.

On September 4, 2015 the Authority approved **Amendment 13** to confirm the prior removal of 77 additional sites.






This report covers the period from 9/14/15 to 10/16/15

On September 23, 2015 the Authority issued **NTP 33** authorizing Motorola to proceed with replacing the security certificates at the EPC core.

On October 9, 2015 the Authority approved **Amendment 14** to adjust the contract for scope changes to tower sites.

On October 15, 2015 the Authority issued **NTP 34** instructing Motorola to provide a portion of the training plan for 9 classes.

The following table provides a dashboard snapshot of the projects’ health signs.

PSBN Project Dashboard			
Category	Rating	Change	Comments
Schedule			NTIA has mandated a new deadline of 12/31/2015 for system operation and testing. MSI’s proposed schedule for this activity ends in April of 2016. The Authority has not approved this schedule, and a more aggressive schedule is being negotiated.
Quality			No current quality issues to report.
Risk			To achieve the new NTIA deadline, modifications will be required on applicable remaining Phase 4 implementation activities.
Scope			The contract has been amended to account for the remaining site tower and location changes.
Budget			Motorola has submitted a substantial number of change orders, which the Authority is currently reviewing for resolution.

2. Project Status

The following sections identify task activities during the reporting period and the planned activities for the next reporting period.

2.1 Tasks In-Progress and Completed

The following depict the task activity that occurred during the current reporting period.

Activity Name	Activity Status
LA-RICS Deliverables	
Provide Access and Escorts to EPC and RAN Sites	As Needed
System Design Activities	
Network Management System Design Update With Comments	In Progress
Site Design Activities	Completed
Zoning & Permitting	Completed
Site Construction & Site Modification (Phase 2)	Completed
Finalize Activities beyond Substantial Construction Complete	In Progress
Supply PSBN Components (Phase 3)	Completed
System Implementation (Phase 4)	
LTE EPC Install & Configuration / Test Station (eNB)	In Progress
LTE Station (eNB), Battery Backup & Telecommunications (TMR) Cabinet Installation	In Progress
Fiber Equipment & Cable Installation (Indoor & Outdoor)	Completed

2.2 Tasks Planned for Next Period (10/19/15 thru 11/13/15)

The following depict the task activities that are planned for the next reporting period.

Activity Name	Planned Status
LA-RICS Deliverables	
Provide Access to Sites	In Process
Construction Inspections	In Process
Zoning and Permitting	
Cell on Wheels (COW) Permit Activities due to scope change	Completed
Construction Drawings due to scope changes	Completed
Site Construction and Site Modification (Phase 2)	
Site Layout - Construction Mobilization	Completed
Excavation and forming for Tower and Equipment Pad	Completed
Foundation Pour with Test Cylinders	Completed
Complete 3 day Cylinder Test	Completed
Tower Installed	Completed
Set Generator and Fuel Tank incl plumbing test	Completed
Install Antennas and lines	Completed
Install New ground rods	Completed

Activity Name	Planned Status
Trenching New electrical service	Completed
Inspect any trenching (LARICS Rep and Muni Inspector)	Completed
Rough in New electrical service	Completed
Inspection of Rough in electrical	Completed
Ground Resistivity Test Completed	Completed
Final Electrical Hook up	In Progress
System Implementation (Phase 4)	
LTE EPC Install, Configuration, Testing	As Needed
Redundant EPC (Additive Alternate #2)	ON HOLD
LTE Station (eNB), Battery Backup & Telecommunications (TMR) Cabinet Commissioning	In Progress
Fiber Equipment & Cable Installation (Indoor & Outdoor)	Complete
Microwave sites equipment	In Progress
Site Commissioning	Start
Cluster Tuning	Start
Submit Closeout documents & as-built drawings	In Progress

2.3 Authority Look-Ahead Tasks (120-Day)

For the Authority planning purposes the following table provides a one hundred twenty (120) Day look-ahead of the Authority-specific activities to conduct coordination, inspections, approvals, consents, and or provide decisions necessary from the Authority to facilitate Contractor's progress.

Activity Name	Start
LA-RICS Deliverables	
Provide Access to Sites	On Plan to Finish
System Design Activities	
Review Submitted Changes to System Design & Backhaul Design	On Plan to Finish
Acceptance Test Plan	
Revised ATP Review and Approvals	On Plan to Finish
Site Design Activities	
Cell on Wheels SCE to Complete Utility Install	In Process
Site Construction and Site Modification (Phase 2)	
Site Punch Walks	In Process
System Implementation (Phase 4)	
EPC & Network Management Installation Testing	As needed
PSBN Site Equipment Inspections	In Process
PSBN Training	In Process
PSBN Tuning and Testing	In Process
PSBN Coverage Testing	In Process
PSBN As-Built Documentation Review	In Process

3. Project Risk Register

For this monthly report, the following items are at risk.

Title	Assigned	Impact	Risk Description	Status
Equipment Order NTPs	LA-RICS	High	NTP for core spare equipment	Requires NTP for remaining units
Change Order Claims	LA-RICS	High	Multiple change requests are under review	Submitted claims currently under review.

4. Areas of Concern

This section describes any events and or circumstances of which the Contractor is aware that has delayed or may delay project activities and what corrective or remedial actions was taken or will be taken to resolve the issue. Outstanding Issues Log (the "OIL Log") entries are also tabulated and monitored in this section. "Oil Log" items include, for example, sequencing, infrastructure, site access,

coordination issues, congestion of workers and equipment, time requirements for design, procurement, and installation.

ID	Event / Circumstance	Remedial Action Taken or Required
06-01	Fiber Connectivity	Began the ordering process for leased fiber circuits for applicable sites. Timeline for delivery for site testing is at risk for longer lead sites. The Authority and MSI are expediting the delivery of fiber connections so that the revised testing schedule can be met.
10-01	Commercial Power at a few remaining Sites is pending meter sets and final turn-on of power.	The Authority and MSI are working closely with the power companies to finalize all remaining installations of power so that the revised testing schedule can be met.

5. Disputes and Claims

This section describes any disputes, potential claims, and claims made during the reporting period.

Dispute / Claim / Potential Claim	Status / Actions	Resolution Date
Responsibility for Commercial Power at Sites with Inadequate Power	MSI and the Authority are in disagreement on the responsibility of the cost for commercial power to the meter.	Dispute Resolution Process
Background Check Method and Security Escort	MSI and the Authority are in disagreement with on the responsibility of the cost for security escorts.	Dispute Resolution Process
Multiple un-approved Change Orders	Multiple MSI submitted change requests are either in dispute or are being reviewed by the Authority.	Dispute Resolution Process

6. Financial Status

The following table represents the invoice payments that have been completed to date. The revised Contract Sum amount based on the Corrective Action Plan is being reviewed by the Authority and Motorola. For this reporting period the Contract Sum is based on Amendment 14.

PSBN Invoice Payment Category	Invoice Payment Totals
PSBN Contract Sum Full Payable Amount (Phases 1-4)	\$ 91,771,405
Cumulative Invoice Payments from Last Report	(\$ 31,537,335)
Total Invoice Payments This Period	(\$ 6,073,012)
Remaining Amount to be Paid	\$ 54,161,058

7. LA-RICS PSBN Project Schedule

The Suspension Order and subsequent Corrective Action Plan (CAP) required the project schedule re-planning efforts to start over with a revised site list, revised scope, and remobilization start dates. In response to the CAP, Motorola presented a new schedule update on May 7, 2015, reflecting the revised scope and remobilization. Since May 7th, Motorola has provided weekly schedule updates. Final Documentation, Testing, Punchlist Resolution, and Training are scheduled to be completed during the warranty period ending September 2016. The Authority is not in agreement with MSI on the scheduled post-September 2015 activities and durations, especially for final testing, and the parties are working on a more aggressive schedule. This Monthly Report is being submitted with a copy of the schedule update corresponding to the Data Date the reporting period.

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See attached PSBN Summary Schedule (PDF file)



**LOS ANGELES REGIONAL INTEROPERABLE
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PATRICK J. MALLON
EXECUTIVE DIRECTOR

November 5, 2015

To: LA-RICS Authority Board of Directors

From: Patrick J. Mallon
Executive Director

A handwritten signature in blue ink, reading "Patrick J. Mallon", is placed to the right of the printed name and title.

STATUS OF MEMBERSHIP OPT-OUT AND IMPACT ON FUNDING PLAN

The purpose of this discussion item is to update your Board on the number of member agencies that have opted-out of the LA-RICS Membership to date, and corresponding impact on the Adopted Funding Plan. As of the Board agenda filing date, there are no updates to report from that provided at your October 1, 2015, meeting.

PJM:SOC:jh

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Enclosure

AGENDA ITEM E

Member Agencies who have Opted-Out

Member Agencies		% of Cost Allocation
City of Alhambra Date of Withdrawal: 09/22/14		0.54%
Explanation of Withdrawal of Membership	<p>On January 14, 2015 Lauren Myles, Alhambra City Clerk, sent the Authority Minutes Excerpt for the September 22, 2014 regular meeting of the Alhambra City Council noting two Systems being built rely heavily on grant funds and those funds are at risk of being lost due to inability to perform within the timeline required by the grants. Another issue of concern is the JPA's funding plan being based on 100% participation of members, despite the JPA Board adopting a motion to allow for a 180-day no-cost opt-out period. As members withdraw from the JPA, the costs borne by the remaining members will rise. Alhambra anticipates majority of independent cities will withdraw and thus the belief is this would result in a significant cost increase to the City of Alhambra.</p>	
City of Bell Gardens Date of Withdrawal: 08/24/2015		0.16%
Explanation of Withdrawal of Membership	No reason cited in letter of withdrawal.	
City of Beverly Hills Date of Withdrawal: 07/01/2015		0.26%
Explanation of Withdrawal of Membership	Uncertainty of cost required to buildout the Systems, issues with resiliency of the funding plan and unknown service levels.	
City of Burbank Date of Withdrawal: 08/20/2014		0.80%
Explanation of Withdrawal of Membership	No reason cited in letter of withdrawal.	

Member Agencies		% of Cost Allocation
City of Calabasas Date of Withdrawal: 06/11/14		0.10%
Explanation of Withdrawal of Membership	City Manager Anthony Coroaalles provided a letter indicating the City's withdrawal from LA-RICS; however, no official documentation was provided to the City Council. A phone call was placed to the City Manager regarding when the City Council took formal action and the reasons for withdrawing from LA-RICS.	
City of El Segundo Date of Withdrawal: 08/19/2014		0.17%
Explanation of Withdrawal of Membership	No reason cited in letter of withdrawal.	
City of Gardena Date of Withdrawal: 07/15/14		0.25%
Explanation of Withdrawal of Membership	Police Chief Ed Medrano of Gardena in his Staff Report to City Council stated that while supportive of LA-RICS, City staff has determined that it is not in the best financial, technical and operational interest of the City at this juncture to remain a member of LA-RICS without having a clearer understanding of the costs, service level and overall viability of the system over a fifteen to thirty-year horizon.	

Member Agencies		% of Cost Allocation
City of Glendale Date of Withdrawal: 07/24/14		1.43%
Explanation of Withdrawal of Membership	<p>City Manager Scott Ochoa in his Staff Report to City Council provided an analysis of LA-RICS and Glendale needs and determined that an attractive feature of the LA-RICS system is that it increases the coverage area of local agencies to a Los Angeles Countywide radio system. However, Glendale radio users currently have such capabilities through its partnership with other agencies in the Interagency Communications Interoperability System (ICIS), which has operated as a JPA since 2003. Of note, it was recently verified that there is a technology integration path between the ICIS and LA-RICS network, contained within the LA-RICS vendor contract which allows full interoperability between both radio networks. Of significant importance, is the LA-RICS LTE grant requirement that services be offered to non-member agencies of the JPA on a subscription basis. As host city of the ICIS radio system, Glendale is compelled by the ICIS JPA to provide its members 24 months advance notice of its intent to separate from the JPA. Of late, ICIS has been approached by many independent cities expressing interest in joining the JPA, with the City of Santa Monica submitting a formal letter of intent to join. Based on the foregoing, at this time staff does not believe it is in the best financial, technical and operational interest of the City of Glendale to remain a member of LA-RICS, thus it is recommending withdrawal from the LA-RICS JPA.</p>	
City of Hermosa Beach Date of Withdrawal: 10/27/2014		0.12%
Explanation of Withdrawal of Membership	Verbal notice given via telephone conversation. Pending written notice of withdrawal.	
City of Lancaster Date of Withdrawal: 08/11/2015		0.66%
Explanation of Withdrawal of Membership	No reason cited in letter of withdrawal.	

AGENDA ITEM E - ENCLOSURE

Member Agencies		% of Cost Allocation
City of Long Beach Date of Withdrawal: 01/08/2015		3.13%
Explanation of Withdrawal of Membership	City Manager, Patrick West notified LA-RICS of withdrawal, citing no reason, however stating Long Beach will continue to be supportive of the LA-RICS project, and will, where feasible, support the construction of infrastructure necessary for the implementation of the LA-RICS project within the City of Long Beach.	
City of Manhattan Beach Date of Withdrawal: 09/30/2014		0.24%
Explanation of Withdrawal of Membership	No reason cited in letter of withdrawal.	
City of Monrovia Date of Withdrawal: 03/03/2015		0.32%
Explanation of Withdrawal of Membership	No reason cited in letter of withdrawal.	
City of Monterey Park Date of Withdrawal: 08/21/2015		0.43%
Explanation of Withdrawal of Membership	Uncertainties how the final work plan, cost share of the project, required equipment replacement costs to the Police and Fire Departments as well as a potential hard match requirement will impact the City of Monterey Park significantly.	

AGENDA ITEM E - ENCLOSURE

Member Agencies		% of Cost Allocation
City of Palos Verdes Estates Date of Withdrawal: 05/27/14		0.09%
Explanation of Withdrawal of Membership	Resolution No. R14-21 states that LA-RICS has not determined the specific and actual cost that the City of Palos Verdes Estates will be required to pay for the LMR and LTE as part of the City's continued membership in the LA-RICS JPA and the City has determined that it would not be in the best interests of the City to participate in a program where neither the short-term or long-term cost to be incurred by the City have been fully defined.	
City of Pomona Date of Withdrawal: 06/17/14		0.71%
Explanation of Withdrawal of Membership	The Chief of Police in his Staff Report to City Council stated that he does not believe that cost and other issues related to remaining in LA-RICS for use by the Pomona Police Department is beneficial to the City and that the participation in LA-RICS is beneficial to the City of Pomona.	
City of San Marino Date of Withdrawal: 04/30/2015		0.13%
Explanation of Withdrawal of Membership	No reason cited in letter of withdrawal.	
City of Santa Clarita Date of Withdrawal: 03/24/15		0.53%
Explanation of Withdrawal of Membership	Serious concerns regarding the safety and proximity of sites to residential areas, opting out to solidify their opposition of sites in their city.	
City of Santa Monica Date of Withdrawal: 06/23/15		0.58%
Explanation of Withdrawal of Membership	No reason cited in letter of withdrawal.	

AGENDA ITEM E - ENCLOSURE

Member Agencies		% of Cost Allocation
City of South Pasadena		0.18%
Explanation of Withdrawal of Membership	No reason cited in letter of withdrawal.	
City of Torrance		1.05%
Explanation of Withdrawal of Membership	<p>City Manager LeRoy Jackson in his Staff Report to City Council stated that there are a lot of unknowns to the LA-RICS system. The first two unknowns are: what are we buying and how much will it cost? The LTE Broadband system will require immediate contributions in order to meet the 10% grant matching fund requirement for the unknown system. He also stated that it is important to note that LA-RICS would only provide the "backbone" system for both the LMR and LTE systems. Equipment to operate on the system would still be the responsibility of individual member agencies and would require cities to purchase equipment that is compatible with the LA-RICS system. Torrance has estimated this to be a substantial investment. The City Manager believes that the South Bay region currently has a functioning interoperable safety communication system. There is a possibility of enhancing the current system by interfacing with Interagency Communication Interoperability System (ICIS). ICIS has a Joint Powers Agreement with sixteen cities including Burbank, Pasadena, Glendale, Pomona, Culver City, Beverly Hills, and many San Gabriel Valley cities. His report also included information that if Torrance withdraws from LA-RICS, we would still need to seek membership or subscription to the LMR system; however, since the funding plan has been modified to eliminate the replacement fund, there would appear to be no penalty. Therefore, it is the conclusion of the City Manager that the City of Torrance should submit a letter of withdrawal to LA-RICS.</p>	
Total Percentage Allocated to Opt-Out Members		11.87%

AGENDA ITEM E - ENCLOSURE



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<http://www.la-rics.org>

PATRICK J. MALLON
EXECUTIVE DIRECTOR

November 5, 2015

To: LA-RICS Authority Board of Directors

From: Patrick J. Mallon
Executive Director

OUTREACH UPDATE

The purpose of this discussion item is to update your Board on the status of outreach pertaining to the Long Term Evolution (LTE) Public Safety Broadband Network (PSBN) project and the Land Mobile Radio (LMR).

Long Term Evolution (LTE) Outreach

All outreach for the LTE PSBN Project has been completed, with the exception of one (1) Cell-on-Wheels (COW) site.

The California Highway Patrol (CHP) Woodland Hills site (CHPWVLLY) is the sole remaining PSBN site requiring outreach. Outreach efforts have been pending awaiting execution of the Site Access Agreement (SAA) with the State of California. On October 19, 2015, the Authority received the executed SAA from the State of California clearing the way for outreach and construction activities at the site.

On Tuesday, October 27th, representatives of the LA-RICS Outreach Team met with the CHP Station Commander of the Woodland Hills site and members of his staff to discuss and schedule outreach to the 130 members of the CHP West Valley Area station. In a previous meeting that was held with the station commander at the CHP site on September 25th, the Authority received direction that outreach would be required to CHP staff before construction begins.

AGENDA ITEM F

Outreach to all CHP West Valley Area Station staff will be conducted in three (3) separate sessions during the month of November; these sessions will coincide with the monthly training sessions regularly held for all station staff.

Upon completion of staff outreach, the outreach team will conduct door-to-door outreach to the residences and businesses within a 500' radius of the site. The outreach team will be accompanied by the Public Information Officer of the CHP West Valley Area Station during this time. Construction for the site is tentatively scheduled to begin in late November.

Land Mobile Radio (LMR) Outreach

At the October 1, 2015, JPA meeting, your Board approved the LMR outreach funding plan to begin outreach activities as identified in the LMR Outreach Strategic Plan. The scope of work for stakeholder outreach included providing support for the following outreach programs; Outreach Communication Services for public scoping meetings, stakeholder outreach, ongoing communications and SAA support for all LMR sites.

Tasks in support of stakeholder outreach involve support for the LMR Environmental Impact Report (EIR) public hearing period on the draft EIR, the initiation of planning and coordination for the first round of stakeholder meetings, and the development of a strategy for an ongoing communications newsletter.

Additional tasks in support of SAA's include bi-weekly meetings with Los Angeles County Chief Executive Office (CEO) Real Estate Division (RED) for the Los Angeles County SAA's. These activities include participation in bi-weekly SAA status discussions as well as community outreach/public relations activities in support of obtaining SAAs with member and non-member owned sites.

Coordination of tasks have also included establishing the process leading up to and scheduling site walks by Motorola (which are needed for their site drawings), discussions on integrating LMR outreach support into the SAA process, and simplification of the Right of Entry (ROE) for rooftop site installations.

The outreach team continues to make progress on planning for the public hearings for the draft EIR. Public hearings for the draft EIR for the LA-RICS LMR project are anticipated to occur in January 2016, as the draft EIR is scheduled for completion in late December 2015. The outreach team finalized the public hearing logistics plan, meeting venues, and the budget. Additionally, the team began formulating a plan to handle outreach for hilltop sites, which have no residential or commercial property within 500 feet.

The outreach team initiated contacting stakeholders for outreach meetings. The team began contacting 11 jurisdictions covering 17 sites. The purpose of the stakeholder outreach meeting is to provide an update on LA-RICS, re-introduce LMR, and provide updates on California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA), SAAs, the funding plan, and the construction notification process. The goal of the outreach team is to meet with the City Manager, Fire and Police Personnel, and/or representatives from planning departments or Information Officers of the jurisdictions. The outreach team will work to match a representative from LA-RICS with each of the personnel from the perspective jurisdictions.

In addition to meeting with personnel from the jurisdictions in which the LA-RICS sites will be located, the LA-RICS outreach team will also be meeting with the parcel owners of the sites to provide them with information about the LMR project.

The outreach team also drafted the new PowerPoint presentation, which will be used during stakeholder outreach and other public meetings.

The outreach team also developed new project materials for LMR outreach. The team created a new LMR fact sheet, which will be used as a general fact sheet on LMR for interested parties and stakeholders. The team also created a new construction notification fact sheet, which will be used during door-to-door outreach in the construction phase of the project.

The outreach team created a new e-blast newsletter called the "LA-RICS Dispatch," which will be distributed to all interested stakeholders via email on a bi-monthly basis. The LA-RICS Dispatch will contain three (3) through four (4) short articles about the LA-RICS project. The inaugural newsletter will contain four (4) articles providing recipients information on the draft LMR EIR, the completion of LTE construction, LA-RICS funding plan membership options, and introduce recipients to a video by Los Angeles County Sheriff Jim McDonnell discussing the importance of LA-RICS.

Lastly, in addition to completing the new project materials, the outreach team worked to expand the stakeholder agency contact list, growing the list from 100 contacts to over 600 contacts.

PJM:WST:pl

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LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

2525 Corporate Place, Suite 100
Monterey Park, California 91754
Telephone: (323) 881-8291
<http://www.la-rics.org>

PATRICK J. MALLON
EXECUTIVE DIRECTOR

November 5, 2015

Board of Directors
Los Angeles Regional Interoperable Communications System Authority (the "Authority")

Dear Directors:

FEDERAL AGENCY REIMBURSEMENT AGREEMENTS

SUBJECT

Board approval is requested to delegate authority to the Executive Director to execute agreements with federal agencies to reimburse those agencies for costs associated with processing applications and conducting any environmental analysis that may be required for construction, operation, and maintenance of the Land Mobile Radio (LMR) System.

RECOMMENDED ACTIONS

It is recommended that your Board:

1. Find that approval and execution of the Federal Agency Reimbursement Agreements is not a project under Section 15378 (b)(4) and (5) the California Environmental Quality Act (CEQA).
2. Delegate authority to the Executive Director to execute agreements between the Authority and certain federal agencies, in the form required by each respective federal agency, to allow these federal agencies to recover costs associated with processing applications and conducting any environmental analysis that may be required to allow for construction, operation, and maintenance of the LMR System.

BACKGROUND

On December 5, 2013, your Board delegated authority to the Executive Director to execute agreement between the Authority and certain federal agencies, in the form required by each respective federal agency, to allow these federal agencies to recover costs associated with processing applications and conducting any environmental analysis that may be required to

allow for construction, operation, and maintenance of the Authority's Public Safety Broadband Network (PBSN).

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is to find the recommended actions do not constitute a project under the California Environmental Quality Act (CEQA) and authorize the Executive Director to execute cost recovery agreements with federal agencies. This would allow these federal agencies to recover costs associated with processing applications and conducting any environmental analysis that may be required for construction, operation, and maintenance of the LMR System, as authorized by the Urban Area Security Initiative (UASI) and/or State Homeland Security Grant Program (SHSGP) grants. Cost recovery allowed under these agreements would include costs associated with the coordinated review of the Environmental Assessment (EA) being prepared in compliance with the National Environmental Policy Act (NEPA) for the LMR System as well as consultation and documentation developed in compliance with Section 106 of the National Historic Preservation Act (NHPA) and Section 7 of the Endangered Species Act (ESA) for LMR System sites on land administered by these federal agencies.

Up to 31 of the proposed potential LMR System sites would be located on federally-owned and managed land. Specifically, up to potentially 25 sites are proposed on land managed by the United States Forest Service (USFS), two (2) sites are proposed on land managed by the National Park Service (NPS), and one (1) site each is proposed on land managed by the Bureau of Land Management (BLM), the Federal Aviation Administration (FAA), the U.S. Army Corps of Engineers (USACOE), and the U.S. Coast Guard (USCG). Prior to conducting project activities at these sites, the Authority will be required to obtain applicable permits and/or approvals from the relevant federal agency. The Authority must also consult with various federal agencies with jurisdiction over federal resources such as the U.S. Fish and Wildlife Service. Cost recovery affords the federal agencies the necessary funding and staffing to review and process permit applications and to monitor authorizations after approval. By executing cost recovery agreements, the Authority hopes to expedite the review and approval of permit applications to facilitate meeting its project deadlines.

FISCAL IMPACT/FINANCING

All costs assessed and paid to federal agencies by the Authority for cost recovery to reimburse those agencies for costs associated with processing applications and conducting any environmental analysis shall be reimbursed by the UASI and/or SHSGP grants as authorized by the USA Patriot Act of 2001 and the Department of Homeland Security Appropriations Act of 2005.

ENVIRONMENTAL DOCUMENTATION

The recommended actions include approval and execution of Federal Agency Reimbursement Agreements, which would allow federal agencies to obtain reimbursement of costs associated with processing applications and environmental analysis for the construction, operation, and maintenance of the LMR System, do not constitute a project under CEQA. Execution of the agreements for cost recovery by Federal agencies is an organizational or administrative activity

which does not involve commitment to a specific project which may result in a potentially significant physical impact on the environment as well as the creation of government funding mechanism or other fiscal activities of governments that will not result in direct or indirect changes in the environment pursuant to Sections 15378(b)(4) and (5) of the State CEQA Guidelines. No construction work or any other physical work is included under the Federal Agency Reimbursement Agreements

CONCLUSION

The recommended action will authorize the Executive Director to execute agreements with federal agencies for cost recovery in the form required by each such federal agency.

Respectfully submitted,



PATRICK J. MALLON
EXECUTIVE DIRECTOR

PJM:MS:mbc

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c: Counsel to the Authority



LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

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PATRICK J. MALLON
EXECUTIVE DIRECTOR

November 5, 2015

LA-RICS Board of Directors
Los Angeles Regional Interoperable Communications System Authority (the "Authority")

Dear Directors:

APPROVE AMENDMENT NO. 14 TO AGREEMENT NO. LA-RICS 007 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM – LAND MOBILE RADIO SYSTEM

SUBJECT

Board approval is requested to authorize the Executive Director to execute an amendment to Agreement No. LA-RICS 007 (Agreement) Los Angeles Regional Interoperable Communication System (LA-RICS) – Land Mobile Radio System (LMR System), to revise the Agreement to reprogram the UHF frequencies and purchase upgraded equipment for the County of Los Angeles Sheriff's Department's (LASD) Station B and the Authority's System on Wheels (SOW) to prepare for use at certain scheduled events, including during the Rose Parade. Amendment No. 14 will be substantially similar in form to the enclosed.

RECOMMENDED ACTIONS

It is recommended that your Board:

1. Find that the approval and execution of Amendment No. 14 for the reprogramming of UHF frequencies and the purchase of upgraded equipment for Agreement No. LA-RICS 007 is exempt from review under the California Environmental Quality Act (CEQA) under CEQA Guidelines Section 15061 (b)(3), and is also not a project under CEQA pursuant to CEQA Guidelines Sections 15378(b)(2) and 15378(b)(5).

AGENDA ITEM H

2. Approve Amendment No. 14 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement to reprogram the UHF frequencies and purchase upgraded equipment for LASD's Station B and the Authority's SOW for use at certain scheduled events, increasing the Maximum Contract Sum by \$64,256, from \$293,575,015 to \$293,639,271.
3. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 14.
4. Delegate authority to the Executive Director to execute Amendment No. 14, in substantially similar form, to the enclosed Amendment.

BACKGROUND

In Amendment No. 3 to the LMR Agreement, the Authority purchased a System-On-Wheels, which contain the necessary components (e.g. tower/mast, antennas, base station radios, etc.) for transmitting and receiving public safety communications, to provide supplemental coverage during emergency situations for Authority members; temporary replacement coverage when an emergency situation results in the loss of a communications site; additional capacity and coverage for Authority members with compatible P25 subscriber equipment, for use during special events (law enforcement working a concert or sporting event that may require additional coverage); and temporary replacement coverage when an LA-RICS site is being constructed, upgraded, or modified as part of the LMR System or Public Safety Broadband System (PSBN).

In Amendment No. 4 to the LMR Agreement, the Authority outfitted LASD's Station B, an existing mobile shelter, with equipment for conversion to a "site-on-wheels", to provide the same functionalities as the Authority's System-On-Wheels.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

Approval of the recommended actions will authorize the Executive Director, on behalf of the Authority, to amend the Agreement with Motorola.

Reprogramming of the UHF frequencies and the purchase of upgraded equipment for LASD's Station B and the Authority's System on Wheels will allow the Authority and/or LASD to deploy the mobile sites to certain scheduled events such as the Rose Parade to provide increased coverage to the surrounding areas. Initially, the SOW and Station B did not have static frequencies for the UHF T-Band and the frequencies were programmed to work with the LMR System's early equipment. Since that time, the Authority has worked with Motorola to secure a frequency plan which would be used on the mobile shelters to ensure that the frequencies would operate in such a manner that would prevent any interference.

FISCAL IMPACT/FINANCING

The activities contemplated in Amendment No. 14 will increase the Maximum Contract Sum by \$64,256 and shall be fully reimbursed by the Urban Areas Security Initiative (UASI) grants.

FACTS AND PROVISIONS/LEGAL REQUIREMENT

The Authority's counsel has reviewed the recommended action.

ENVIRONMENTAL DOCUMENTATION

The activities covered by this Amendment No. 14, which include reprogramming of UHF frequencies and purchase of upgraded equipment, do not constitute a project under CEQA. Reprogramming of UHF frequencies and the purchase of equipment are organizational or administrative activities of government that will not result in direct or indirect physical changes in the environment pursuant to Sections 15378(b)(2) and 15378(b)(5) of the State CEQA Guidelines. It is also exempt from review under CEQA under Section 15061 (b)(3), in that there is no potential for causing a significant effect on the environment. No construction work or any other work involving the environment is being done under Amendment No. 14.

CONCLUSION

Upon the Board's approval of the recommended actions, the Executive Director, or his designee, will have delegate authority to proceed in a manner described in the recommended action.

Respectfully submitted,



PATRICK J. MALLON
EXECUTIVE DIRECTOR

PJM:MS:mbc

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Enclosure

c: Counsel to the Authority

**AMENDMENT NUMBER FOURTEEN
TO AGREEMENT NO. LA-RICS 007
FOR
LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM –
LAND MOBILE RADIO SYSTEM**

Recitals

This Amendment Number Fourteen (together with all exhibits, attachments, and schedules hereto, "Amendment No. 14") is entered into by and between the Los Angeles Regional Interoperable Communications System Authority ("Authority") and Motorola Solutions, Inc. ("Contractor"), effective as of November _____, 2015, based on the following recitals:

Authority and Contractor have entered into that certain Agreement No. LA-RICS 007 for Los Angeles Regional Interoperable Communications System ("LA-RICS") – Land Mobile Radio System, dated as of August 15, 2013 (together with all exhibits, attachments, and schedules thereto, all as amended prior to the date hereof, the "Agreement").

The Agreement has been previously amended by Amendment Number One, effective as of September 5, 2013, to exercise the Unilateral Option for all Work pertaining to Phase 1 (System Design), without the Additive Alternates.

The Agreement has been previously amended by Amendment Number Two, effective as of October 29, 2013, to exercise the Unilateral Option for all Work pertaining to Project Descriptions in Phase 1 (System Design) for the Bounded Area Coverage Additive Alternate.

The Agreement has been previously amended by Amendment Number Three, effective as of December 19, 2013, to, among other things, exercise the Unilateral Option for all Work pertaining to Contractor's provision and implementation of Specified Equipment (as defined in Amendment No. 3) increasing the Maximum Contract Sum to from \$280,354,954 to \$281,640,184.

The Agreement has been previously amended by Amendment Number Four, effective as of December 19, 2013, to, among other things, provide and implement under Phase 1 (System Design) certain additional equipment referred to as "Station B Equipment" increasing the Maximum Contract Sum from \$281,640,184 to \$282,809,231.

The Agreement has been previously amended by Amendment Number Five, effective as of March 27, 2014, to, among other things; include license coordination fees, increasing the Maximum Contract Sum from \$282,809,231 to \$282,829,472.

The Agreement has been previously amended by Amendment Number Six, effective as of April 17, 2014, to, among other things, upgrade to the Los Angeles Police

Department's Valley Dispatch Center's ("LAPDVDC") Uninterruptible Power Supply ("UPS") to accommodate the installation and deployment of Core 2 at this facility, increasing the Maximum Contract Sum from \$282,829,472 to \$282,897,618.

The Agreement has been previously amended by Amendment Number Seven, effective as of May 8, 2014, to, among other things, purchase portable radios, radio accessories, consolettes, and consoles; and to add a provision to address potential joint obligations of Authority and Contractor under the Antennae Lease Agreement dated April 17, 2014, between the City of Los Angeles, the Authority, and Contractor; increasing the Maximum Contract Sum from \$282,897,618 to \$288,074,669.

The Agreement has been previously amended by Amendment Number Eight, effective as of August 28, 2014, to purchase additional portable radios and radio accessories; increasing the Maximum Contract Sum from \$288,074,669 to \$291,745,675.

The Agreement has been previously amended by Amendment Number Nine, effective November 19, 2014, to (a) make changes necessary to reflect the removal of one (1) LMR System Site and all the Work and equipment associated with the removal of this site; (b) make the necessary changes to reflect Phase 1 (System Design) Project Description Work only for twenty-six (26) potential replacement sites; (c) exercise the Unilateral Options for all Work pertaining to Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) for twenty-six (26) existing LMR System Sites; with no increase to the Maximum Contract Sum.

The Agreement has been previously amended by Amendment Number Ten, effective February 17, 2015, to (a) make the necessary changes to reflect Phase 1 (System Design) Description Work for one (1) potential replacement site; (b) make changes necessary to reflect the removal of four (4) LMR System Sites and all the Work and equipment associated with these sites; (c) make changes necessary to reflect the inclusion of five (5) LMR System Sites and all the Work and equipment associated with these sites and exercise the Unilateral Options for all Work pertaining to Phase 1 (System Design) (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) for these five (5) LMR System Sites; (d) exercise the Unilateral Options for all Work pertaining to Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR System Components), and Phase 4 (LMR System Implementation) for eight (8) LMR System Sites currently contemplated in the Design; (e) allow for two power load studies to be conducted; and (f) make other certain changes as reflected in Amendment No. 10, increasing the Maximum Contract Sum by \$1,101,138, from \$291,745,675 to \$292,846,813.

The Agreement has been previously amended by Amendment No. Eleven, effective April 28, 2015, to (a) make the necessary changes to reflect Phase 1 (System Design) Description Work for two (2) potential replacement sites; (b) make changes necessary to reflect an existing credit from Amendment No. 3 in the amount of \$547,158

in Phase 3 (Supply LMR System Components) for one (1) LMR System Site, (c) make changes necessary to add project management costs that were inadvertently omitted in Amendment No. 10 in the amount of \$64,282 in Phase 4 (LMR System Implementation) for one (1) LMR System Site, and (d) make other certain changes as reflected in Amendment No. 11, all of which reduced the Maximum Contract Sum by \$459,529, from \$292,846,813 to \$292,387,284.

The Agreement has been previously amended in Amendment No. Twelve, effective August 27, 2015, to (a) make the necessary changes to reflect the shifting of FCC Licensing Work and costs from Phase 3 (Supply LMR System Components) to Phase 1 (System Design) in the amount of \$284,041; (b) make certain changes to reflect the increase of FCC Licensing Work to contemplate the licensing of all UHF T-Band frequencies as referenced in Attachment B, at each of the applicable subsystem sites in order to achieve compliance with the performance criteria set forth in the Agreement, all in the amount of \$139,076; (c) make the necessary changes to reflect the inclusion of a bridge warranty for the Specified Equipment (Core 1, Core 2, repeater sites, Site on Wheels, and Station B Equipment) previously purchased under Amendment No. 3 and Amendment No. 4, to bridge the gap in warranty for this equipment until such time as Final LMR System Acceptance is achieved in the amount of \$647,533; and (d) to purchase portable radios, radio accessories, consolettes, and a control station for the Los Angeles Sheriff's Department Aero Bureau for purposes of mutual aid in the amount of \$386,234; increasing the Maximum Contract Sum by \$1,172,843 from \$292,387,284 to \$293,560,127.

The Agreement has been previously amended to Amendment No. Thirteen effective October 30, 2015 to make the necessary changes to reflect Phase 1 (System Design) Work to add lease exhibits to twenty-nine (29) LMR System Sites; increasing the Maximum Contract Sum by \$14,888 from \$293,560,127 to \$293,575,015.

The Authority and Contractor desire to further amend the Agreement to make changes necessary to reflect the Work to reprogram UHF frequencies in accordance with Attachment A and purchase upgraded equipment for the County of Los Angeles Sheriff's Department's (LASD) Station B as well as the Authority's System on Wheels to prepare for use at certain scheduled events in the amount of \$64,256, increasing the Maximum Contract Sum from \$293,575,015 to \$293,639,271.

This Amendment No. 14 is authorized under Section 2 (Changes to Agreement) of the Agreement.

NOW THEREFORE, in consideration of the foregoing recitals, all of which are incorporated as part of this Amendment No. 14, and for other valuable consideration, the receipt and sufficiency of which are acknowledged, Authority and Contractor hereby agree as follows:

1. Capitalized Terms; Section References. Capitalized terms used herein without definition (including in the recitals hereto), have the meanings given to such terms in the Base Document. Unless otherwise noted, section references in this

Amendment No. 14 refer to sections of the Base Document, as amended by this Amendment No. 14.

2. The Authority is purchasing equipment to outfit LASD's Station B and the Authority's System on Wheels at the prices and quantities identified in Attachment B (UHF Frequency Reprogramming Equipment Costs) to this Amendment No. 14, which is herein fully incorporated by reference. This equipment consists of filters and preselectors.
3. Amendment to Base Document.
 - 3.1 Section 8.1.1 of the Base Document is deleted in its entirety and replaced with the following:
 - 8.1.1. The "Maximum Contract Sum" under this Agreement is Two Hundred Ninety-Three Million, Six Hundred Thirty-Nine Thousand, Two Hundred Seventy-One Dollars (\$293,639,271), which includes the Contract Sum and all Unilateral Option Sums, as set forth in Exhibit C (Schedule of Payments).
 - 3.2 Section 24.4.1 of the Base Document is deleted in its entirety and replaced with the following:
 - 24.4.1 Except for liability resulting from personal injury, harm to tangible property, or wrongful death, Contractor's total liability to the Authority, whether for breach of contract, warranty, negligence, or strict liability in tort, will be limited in the aggregate to direct damages no greater than Two Hundred Eighty-Seven Million, Eight Hundred Thousand, Forty Hundred Ninety-Seven Dollars (\$287,800,497) Notwithstanding the foregoing, Contractor shall not be liable to the Authority for any special, incidental, indirect, or consequential damages.
4. Exercise of Unilateral Option. As provided in Section 4.1.2.2(c) of the Base Document, Authority has determined in its sole and unilateral discretion to exercise the Unilateral Option for all Work pertaining to the Contractor's reprogramming of UHF frequencies and installation of upgraded equipment during Phase 1 as reflected in Exhibit C.2 (Schedule of Payments – Phase 1 – System Design), and hereby exercises such Unilateral Option for such Work. Subject to Section 4.1.2.3 (Notices to Proceed) of the Base Document, the Contractor agrees the Contractor shall, on a timely basis and in accordance with the Agreement, fully perform, provide, complete, and deliver all Work encompassed in such Unilateral Option, in exchange for the amounts set forth on Exhibit C (Schedule of Payments) for such Work.

5. Amendments to Agreement Exhibits.
 - 5.1 Exhibit C.1 (Schedule of Payments – LMR System Payment Summary) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.1 (Schedule of Payments – LMR System Payment Summary) to Exhibit C (Schedule of Payments) attached to this Amendment No. 14, which is incorporated by this reference.
 - 5.2 Exhibit C.2 (Schedule of Payments Phase 1 (System Design) – System Design) to Exhibit C (Schedule of Payments) is deleted in its entirety and replaced with Exhibit C.2 (Schedule of Payments Phase 1 (System Design) – System Design) to Exhibit C (Schedule of Payments) attached to this Amendment No. 14, which is incorporated by this reference.
6. This Amendment No. 14 shall become effective as of the date identified in the recitals, which is the date upon which:
 - 6.1 An authorized agent of Contractor has executed this Amendment No. 14;
 - 6.2 Los Angeles County Counsel has approved this Amendment No. 14 as to form;
 - 6.3 The Board of Directors of the Authority has authorized the Executive Director of the Authority, if required, to execute this Amendment No. 14; and
 - 6.4 The Executive Director of the Authority has executed this Amendment No. 14.
7. Except as expressly provided in this Amendment No. 14, all other terms and conditions of the Agreement shall remain the same and in full force and effect.
8. Contractor and the person executing this Amendment No. 14 on behalf of Contractor represent and warrant that the person executing this Amendment No. 14 for Contractor is an authorized agent who has actual authority to bind Contractor to each and every term and condition of this Amendment No. 14, and that all requirements of Contractor to provide such actual authority have been fulfilled.
9. This Amendment No. 14 may be executed in one or more original or facsimile counterparts, all of which when taken together shall constitute one in the same instrument.

* * *

**AMENDMENT NUMBER FOURTEEN
TO AGREEMENT NO. LA-RICS 007
FOR
LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM –
LAND MOBILE RADIO SYSTEM**

IN WITNESS WHEREOF, the parties hereto have caused this Amendment No. 14 to be executed on their behalf by their duly authorized representatives, effective as of the date first set forth above.

LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY

MOTOROLA SOLUTIONS, INC.

By: _____

Patrick J. Mallon
Executive Director

By: _____

Jim Hardimon
Motorola Project Director

APPROVED AS TO FORM FOR THE LOS
ANGELES REGIONAL INTEROPERABLE
COMMUNICATIONS SYSTEM
AUTHORITY:

MARY C. WICKHAM
Interim County Counsel

By: _____

Truc L. Moore
Senior Deputy County Counsel

Scope of Work

- Order filter/preselector equipment for SOW (11 channels) & STB (6 channels).
- Update documentation/drawings for SOW and STB.
- No subscribers or software included.
- No parts or services associated with the antenna systems.
- No parts or services provided for satellite connections and power systems.
- Reprogram & re-optimize 2 sites, 11 channels at SOW & 6 channels at STB

Frequencies to Be Licensed

Site	System	Band	Cell/Site	Regional Plan/Subband Numbers	TX Freq	RX Freq
DEPLOYABLE	DTVRS	UHF	1	CH 15	478.8000	481.8000
DEPLOYABLE	DTVRS	UHF	1	CH 15	478.6500	481.6500
DEPLOYABLE	DTVRS	UHF	1	CH 15	478.5000	481.5000
DEPLOYABLE	DTVRS	UHF	1	CH 15	478.3500	481.3500
DEPLOYABLE	DTVRS	UHF	1	CH 15	478.2000	481.2000
DEPLOYABLE	DTVRS	UHF	1	CH 15	478.0500	481.0500
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.8500	481.8500
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.8250	481.8250
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.7000	481.7000
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.6750	481.6750
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.5500	481.5500
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.5250	481.5250
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.4000	481.4000
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.3750	481.3750
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.2500	481.2500
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.2250	481.2250
DEPLOYABLE	DTVRS	UHF	2	CH 15	478.0750	481.0750

Cell/Site 1: County of Los Angeles Sheriff's Department Station B

Cell/Site 2: Los Angeles Regional Interoperable Communications System System On Wheels

ATTACHMENT B

UHF FREQUENCY REPROGRAMMING EQUIPMENT COSTS

SITE	ESS OPTION	ESS OPTION NUMBER	QTY.	PRICE	EXTENDED PRICE
SOW	ADD: UHF TX FILTER W/ PMU 477-479	CA01080AA	2	\$3,052.00	\$6,104.00
SOW	ADD: UHF SITE PRESELECTOR, 480-482	CA01098AA	1	\$3,052.00	\$3,052.00
STB	ADD: UHF TX FILTER W/ PMU 477-479	CA01080AA	1	\$3,052.00	\$3,052.00
STB	ADD: UHF SITE PRESELECTOR, 480-482	CA01098AA	1	\$3,052.00	\$3,052.00
				TOTAL PRICE	\$15,260.00

EXHIBIT C.1 - SCHEDULE OF PAYMENTS

LMR SYSTEM PAYMENT SUMMARY

Summary	Unilateral Option Sum	Used Credits (Note 2)	Contract Sum - Full Payable Amount	10% Holdback Amount	Payment Minus 10% Holdback Amount
Phase 1 ^(Note 1)	\$ -	\$ 9,517	41,863,635	\$ 3,126,007	\$ 38,737,628
Phase 2	\$ 19,847,626	\$ 337,720	\$ 21,694,374	\$ 4,044,810	\$ 37,497,190
Phase 3	\$ 32,193,326	\$ 212,620	\$ 17,547,348	\$ 4,882,594	\$ 44,858,080
Phase 4	\$ 20,101,266	\$ 86,144	\$ 9,496,262	\$ 2,897,031	\$ 26,700,497
SUBTOTAL (Phases 1 to 4):	\$ 72,142,218	\$ 342,477	90,601,619	\$ 14,950,442	\$ 147,793,395
Phase 5 (15 Years)	\$ 55,898,518	\$ -	\$ -	\$ -	\$ 55,898,518
TOTAL (Phases 1 to 5):	\$ 128,040,737	\$ 342,477	\$ 90,601,619	\$ 14,950,442	\$ 203,691,913
Bounded Area Coverage Additive Alternate ^(Note 1)	\$ 19,109,375	\$ -	\$ -	\$ 1,910,937	\$ 17,198,437
Mandatory Building Coverage Additive Alternate	\$ 29,828,448	\$ -	\$ -	\$ 2,982,845	\$ 26,845,603
Metrorail Coverage Additive Alternate	\$ 4,792,260	\$ -	\$ -	\$ 479,226	\$ 4,313,034
LMR System Maintenance for Additive Alternates	\$ 19,620,355	\$ -	\$ -	\$ 1,962,036	\$ 17,658,320
Source Code Software Escrow	\$ 1,304,000	\$ -	\$ -	\$ 130,400	\$ 1,173,600
SUBTOTAL (Additive Alternates)	\$ 202,695,174	\$ 342,477	\$ 90,601,619	\$ 22,415,886	\$ 270,880,907
TOTAL CONTRACT SUM:	\$90,601,619				
MAXIMUM CONTRACT SUM (Total Unilateral Option Sum plus Total Contract Sum):	\$293,639,271				

Note 1: The cost for the Project Descriptions for the Bounded Area Coverage only are reflected in Exhibit C.2 (Phase 1 - System Design) as amended and restated in Amendment No. 2., and included (\$173, 110) in Phase 1 Contract Sum - Full Payable Amount. The balance of the remaining Unilateral Option Sum for Bounded Area Coverage Additive Alternate Work is reflected in Exhibit C.7 (Bounded Area Coverage Additive Alternate).

Note 2: Credits for Phases 1 through 4 were realized for the removal of 1 LMR System Site in the amount of \$646,001. However, the cost for preparing Project Descriptions for 26 potential replacement sites in the amount of \$303,524 was taken from the Credits. The remaining Credit balance of \$342,477 is reserved for use for a future replacement site.

EXHIBIT C.2 - SCHEDULE OF PAYMENTS
PHASE 1 - SYSTEM DESIGN

Deliverable/Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Deliverable	Unilateral Option Sum <i>(Notes 3, 5, 6, 7, 8,9)</i>	Credits <i>(Note 11)</i>	Contract Sum Payable Amount <i>(Notes 3, 4, 5, 6, 7, 8,9, 10, 12, 13, 14)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
A.1.1	Project Management Staffing Plan Delivered	-	-	Included	\$ -	\$ -
A.1.2	Overview and Scope Delivered	-	-	Included	\$ -	\$ -
A.1.3	Communications Plan Delivered	-	-	\$ 67,233	\$ 6,723	\$ 60,509
A.1.4	Initial Integrated Master Schedule Delivered	-	-	\$ 89,644	\$ 8,964	\$ 80,679
A.1.5	Documentation Plan Delivered	-	-	Included	\$ -	\$ -
A.1.6	Quality Control Plan Delivered	-	-	\$ 67,233	\$ 6,723	\$ 60,509
A.1.7	Change Order/Change Management Plan Delivered	-	-	Included	\$ -	\$ -
A.1.8	Initial Risk Management Plan Delivered	-	-	\$ 89,644	\$ 8,964	\$ 80,679
A.1	Project Management Plan - Final	-	-	\$ 112,055	\$ 11,205	\$ 100,849
B.1.6	FCC License and Application Forms	-	-	Included	\$ -	\$ -
B.1.12	Coverage Modeling Tool and Training	-	-	Included	\$ -	\$ -
B.1.14.1	Detailed Project Description - 50% of sites	-	-	\$ 1,368,583	\$ 136,858	\$ 1,231,724
B.1.14.1	Detailed Project Description - Final 50% of Sites	-	-	\$ 1,368,583	\$ 136,858	\$ 1,231,724
B.1.14.2	RF Emission Safety Report Delivered	-	-	Included	\$ -	\$ -
B.1.14.3.3.29.1	DTVRS Design – Digital Trunked Voice Radio Subsystem:	-	-	\$ -	-	-
B.1.14.3.3.29.1	80% DTVRS Design – Digital Trunked Voice Radio Subsystem	-	-	\$ 1,965,745	-	\$ 1,965,745
B.1.14.3.3.29.1	20% DTVRS Design – Digital Trunked Voice Radio Subsystem	-	-	\$ 491,436	\$ 245,718	\$ 245,718
B.1.14.3.3.29.2	ACVRS Design – Analog Conventional Voice Radio Subsystem:	-	-	\$ -	-	-
B.1.14.3.3.29.2	80% ACVRS Design – Analog Conventional Voice Radio Subsystem	-	-	\$ 446,491	-	\$ 446,491
B.1.14.3.3.29.2	20% ACVRS Design – Analog Conventional Voice Radio Subsystem	-	-	\$ 111,623	\$ 55,811	\$ 55,812
B.1.14.3.3.29.3	LARTCS Design – Los Angeles Regional Tactical Communications Subsystem:	-	-	\$ -	-	-
B.1.14.3.3.29.3	80% LARTCS Design – Los Angeles Regional Tactical Communications Subsystem	-	-	\$ 486,144	-	\$ 486,144
B.1.14.3.3.29.3	20% LARTCS Design – Los Angeles Regional Tactical Communications Subsystem	-	-	\$ 121,535	\$ 60,768	\$ 60,767
B.1.14.3.3.29.4	NMDN Design – Narrowband Mobile Data Network	-	-	\$ -	-	-
B.1.14.3.3.29.4	80% NMDN Design – Narrowband Mobile Data Network	-	-	\$ 113,646	-	\$ 113,646
B.1.14.3.3.29.4	20% NMDN Design – Narrowband Mobile Data Network	-	-	\$ 28,412	\$ 14,206	\$ 14,206
B.1.14.3.3.29.5	Consoles Design	-	-	Included	-	-
B.1.14.3.3.29.6	Logging Recorder Description	-	-	Included	-	-
B.1.14.3.3.29.7	Site Interconnection/Backhaul Subsystem Description:	-	-	\$ -	-	-
B.1.14.3.3.29.7	80% Site Interconnection/Backhaul Subsystem Description:	-	-	\$ 170,323	-	\$ 170,323
B.1.14.3.3.29.7	20% Site Interconnection/Backhaul Subsystem Description:	-	-	\$ 42,581	\$ 21,290	\$ 21,290
B.1.14.3.3.29.8	System Management and Monitoring Subsystem Description	-	-	Included	-	-
B.1.14.3.3.29.9	Inventory and Maintenance Tracking Subsystem Description	-	-	Included	-	-
B.1.14.3	LMR Final System Design Approval <i>(Note 1)</i>	-	-	\$ 757,702	\$ 75,770	\$ 681,932
B.1.14.5	Site Design Review Packages 75% Zoning Submittal by Site <i>(Note 2)</i>	-	-	\$ -	\$ -	\$ -
B.1.14.5.Site 1	Baldwin Hills	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 2	Black Jack Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 3	Bald Mountain	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 4	Blue Rock	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 5	Burnt Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 6	Beverly Glen	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 7	Compton Court Building	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 8	Century Plaza	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 9	Claremont	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 10	Castro Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 11	Dakin Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 12	El Segundo PD	-	-	\$ -	\$ -	\$ -
B.1.14.5.Site 13	Encinal 1 (Fire Camp)	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 14	Green Mountain	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 15	Hauser Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 16	Johnstone Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 17	FS 28	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 18	FS 56	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 19	FS 71	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 20	FS 72	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 21	FS 77	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 22	FS 84	-	-	\$ -	\$ -	\$ -

EXHIBIT C.2 - SCHEDULE OF PAYMENTS
PHASE 1 - SYSTEM DESIGN

Deliverable/Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Deliverable	Unilateral Option Sum <i>(Notes 3, 5, 6, 7, 8,9)</i>	Credits <i>(Note 11)</i>	Contract Sum Payable Amount <i>(Notes 3, 4, 5, 6, 7, 8,9, 10, 12, 13, 14)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
B.1.14.5.Site 23	FS 91	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 24	FS 99	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 25	FS 119	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 26	FS 144	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 27	FS 149	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 28	FS 157	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 29	FS 169	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 30	CP 9	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 31	Del Valle Training	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 32	LA City Hall	-	-	\$ -	\$ -	\$ -
B.1.14.5.Site 33	Lower Blue Ridge	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 34	DWP Sylmar Water Ladder	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 35	Magic Mountain	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 36	Mount Disappointment	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 37	Mount Lee	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 38	Mira Loma Facility	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 39	Mount McDill	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 40	Mount Lukens	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 41	Mount Thom	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 42	Mount Washington	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 43	Monte Vista (Star Center)	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 44	Oat Mountain	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 45	Oat Mountain	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 46	Oat Mountain Nike	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 47	Puente Hills	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 48	Portal Ridge	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 49	Pomona 1620 Hillcrest	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 50	Redondo Beach PD	-	\$ 7,138	\$ -	\$ -	\$ -
B.1.14.5.Site 51	Rolling Hills Transmit	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 52	Rio Hondo	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 53	City Hall	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 54	San Augustine	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 55	San Dimas	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 56	Signal Hill	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 57	San Pedro Hill	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 58	Saddle Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 59	Sunset Ridge	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 60	San Vicente Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 61	Southwest Area Station	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 62	Topanga Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 63	Tejon Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 64	Tower Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 65	Verdugo Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 66	Walker Drive	-	-	\$ -	\$ -	\$ -
B.1.14.5.Site 67	Whittaker Middle Peak	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 68	100 Wilshire	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 69	Whittaker Ridge	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 70	77TH Street Area Complex	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 71	Devonshire Area station	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 72	L.A. County Fire Command	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 73	Valley Dispatch Center	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.6	Permit Approval by Site ^(Note 2)	-	-	\$ -	\$ -	\$ -
B.1.14.6.Site 1	Baldwin Hills	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 2	Black Jack Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 3	Bald Mountain	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 4	Blue Rock	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 5	Burnt Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 6	Beverly Glen	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 7	Compton Court Building	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 8	Century Plaza	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 9	Claremont	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 10	Castro Peak	-	-	\$ 2,379	\$ 238	\$ 2,141

EXHIBIT C.2 - SCHEDULE OF PAYMENTS
PHASE 1 - SYSTEM DESIGN

Deliverable/Task/ Section No. <small>(Exhibit A, Exhibit B, or Base Document)</small>	Deliverable	Unilateral Option Sum <small>(Notes 3, 5, 6, 7, 8,9)</small>	Credits <small>(Note 11)</small>	Contract Sum Payable Amount <small>(Notes 3, 4, 5, 6, 7, 8,9, 10, 12, 13, 14)</small>	10% Holdback Amount	Payable Amount Less 10% Holdback
B.1.14.6.Site 11	Dakin Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 12	El Segundo PD	-	-	\$ -	\$ -	\$ -
B.1.14.6.Site 13	Encinal 1 (Fire Camp)	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 14	Green Mountain	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 15	Hauser Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 16	Johnstone Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 17	FS 28	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 18	FS 56	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 19	FS 71	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 20	FS 72	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 21	FS 77	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 22	FS 84	-	-	\$ -	\$ -	\$ -
B.1.14.6.Site 23	FS 91	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 24	FS 99	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 25	FS 119	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 26	FS 144	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 27	FS 149	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 28	FS 157	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 29	FS 169	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 30	CP 9	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 31	Del Valle Training	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 32	LA City Hall	-	-	\$ -	\$ -	\$ -
B.1.14.6.Site 33	Lower Blue Ridge	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 34	DWP Sylmar Water Ladder	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 35	Magic Mountain	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 36	Mount Disappointment	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 37	Mount Lee	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 38	Mira Loma Facility	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 39	Mount McDill	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 40	Mount Lukens	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 41	Mount Thom	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 42	Mount Washington	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 43	Monte Vista (Star Center)	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 44	Oat Mountain	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 45	Oat Mountain	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 46	Oat Mountain Nike	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 47	Puente Hills	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 48	Portal Ridge	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 49	Pomona 1620 Hillcrest	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 50	Redondo Beach PD	-	\$ 2,379	\$ -	\$ -	\$ -
B.1.14.6.Site 51	Rolling Hills Transmit	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 52	Rio Hondo	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 53	Rancho Palos Verdes City Hall	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 54	San Augustine	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 55	San Dimas	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 56	Signal Hill	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 57	San Pedro Hill	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 58	Saddle Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 59	Sunset Ridge	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 60	San Vicente Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 61	Southwest Area Station	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 62	Topanga Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 63	Tejon Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 64	Tower Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 65	Verdugo Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 66	Walker Drive	-	-	\$ -	\$ -	\$ -
B.1.14.6.Site 67	Whitaker Middle Peak	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 68	100 Wilshire	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 69	Whittaker Ridge	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 70	77TH Street Area Complex	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 71	Devonshire Area station	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 72	L.A. County Fire Command	-	-	\$ 2,379	\$ 238	\$ 2,141

**EXHIBIT C.2 - SCHEDULE OF PAYMENTS
PHASE 1 - SYSTEM DESIGN**

Deliverable/Task/ Section No. <small>(Exhibit A, Exhibit B, or Base Document)</small>	Deliverable	Unilateral Option Sum <small>(Notes 3, 5, 6, 7, 8,9)</small>	Credits <small>(Note 11)</small>	Contract Sum Payable Amount <small>(Notes 3, 4, 5 , 6, 7, 8,9, 10, 12, 13, 14)</small>	10% Holdback Amount	Payable Amount Less 10% Holdback
B.1.14.6.Site 73	Valley Dispatch Center	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.15	Inventory and Maintenance Tracking Subsystem	-	-	\$ 974,026	\$ 97,403	\$ 876,623
	Project Management for Phase 1 – System Design Monthly Reports	-	-	Included	\$ -	\$ -
Base.22.3.2	Performance Bond for Phase 1 – System Design	-	-	\$ 29,774	\$ -	\$ 29,774
	Total Lease Costs for Phase 1 – System Design	-	-	\$ -	\$ -	\$ -
Base.22.2.1	Liability Insurance (General and Professional)	-	-	\$ 527,500	\$ -	\$ 527,500
Subtotal for Phase 1:		\$ -	\$ 9,517	\$ 10,077,064	\$ 951,979	\$ 9,125,085
ADDITIONAL SITES (AMENDMENT NO. 10)						
B.1.14.5	Site Design Review Packages 75% Zoning Submittal by Site	-	-	\$ -	-	-
B.1.14.5.Site 76	Airport Courthouse	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 77	Beverly Hills' Coldwater Canyon Park	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 78	FS 136	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 79	LA City Hall East	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.5.Site 80	Olinda	-	-	\$ 7,138	\$ 714	\$ 6,424
B.1.14.6	Permit Approval by Site	-	-	\$ -	\$ -	\$ -
B.1.14.6.Site 76	Airport Courthouse	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 77	Beverly Hills' Coldwater Canyon Park	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 78	FS 136	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 79	LA City Hall East	-	-	\$ 2,379	\$ 238	\$ 2,141
B.1.14.6.Site 80	Olinda	-	-	\$ 2,379	\$ 238	\$ 2,141
Subtotal for Additional Sites (Amendment No. 10)		\$ -	\$ -	\$ 47,585	\$ 4,759	\$ 42,827
CORE 1 AND REPEATER SITES (AMENDMENT NO. 3)						
B.3.2 to B.3.6	Core 1 Hardware and Software	-	-	\$ 11,645,162	\$ 1,164,516	\$ 10,480,645
	Core T1 Interface Equipment	-	-	\$ 49,878	\$ 4,988	\$ 44,890
	NMS AC Power	-	-	\$ 1,308	\$ 131	\$ 1,177
	FCC License Application Preparation	-	-	\$ 7,500	\$ 750	\$ 6,750
	Remote Site AC Power	-	-	\$ 7,848	\$ 785	\$ 7,063
B.3.2 to B.3.6	Five DTVRS UHF 11 Channel ASTRO 25 Sites	-	-	\$ 1,144,758	\$ 114,476	\$ 1,030,283
B.3.2 to B.3.6	Three DTVRS 700 MHz 6 Channel ASTRO 25 Sites	-	-	\$ 404,440	\$ 40,444	\$ 363,996
B.3.2 to B.3.6	Three MCC 7500 Consoles for DTVRS	-	-	\$ 197,074	\$ 19,707	\$ 177,366
C.14	Portable Radio Upgrade Kits (2009 UASI Funds)	-	-	\$ 65,800	\$ 6,580	\$ 59,220
C.14	Portable Radio Upgrade Kits (2010 UASI Funds)	-	-	\$ 296,100	\$ 29,610	\$ 266,490
B.4.2.3	Installation, Optimization, Staging and Testing for Core 1 and Repeater Sites	-	-	\$ 463,818	\$ 46,382	\$ 417,436
Base.22.3.2	Performance Bond for Core 1 and Repeater Sites	-	-	\$ 89,801	-	\$ 89,801
Subtotal for Core 1 and Repeater Sites:		\$ -	\$ -	\$ 14,373,486	\$ 1,428,369	\$ 12,945,118
CORE 2 (AMENDMENT NO. 3)						
B.3.2 to B.3.6	Core 2 Hardware	-	-	\$ 3,650,360	\$ 365,036	\$ 3,285,324
B.4.2.3	Installation, Optimization, Staging and Testing for Core 2	-	-	\$ 301,757	\$ 30,176	\$ 271,581
Base.22.3.2	Performance Bond for Core 2	-	-	\$ 24,663	-	\$ 24,663
LAPDVDC Uninterruptible Power Supply (UPS)						
	Eaton 9130 2000 Rackmount; 120V, 50/60Hz; 2000VA/1800W	-	-	\$ 27,101	\$ 2,710	\$ 24,391
	Eaton 9130 2000/30000 EBM Rack	-	-	\$ 12,152	\$ 1,215	\$ 10,937
	Two-Post Rack Mounting Rail Kit	-	-	\$ 3,052	\$ 305	\$ 2,747
	Racks 7.5 Foot	-	-	\$ 863	\$ 86	\$ 777
	MSI Design and Implementation Services	-	-	\$ 24,978	\$ 2,498	\$ 22,480
Subtotal for Core 2 and LAPDVDC UPS:		\$ -	\$ -	\$ 4,044,926	\$ 402,026	\$ 3,642,900
SYSTEM ON WHEELS (AMENDMENT NO. 3)						
	System on Wheels (SOW)	-	-	-	-	-
	SOW - 95' MAST, 8' X 16' WALK-IN SHELTER	-	-	\$ 468,439	\$ 46,844	\$ 421,595
	DTVRS - ASTRO Site Repeaters (ASR)	-	-	\$ 408,816	\$ 40,882	\$ 367,934
	Core Licenses for 700/UHF ASR Sites	-	-	\$ 127,748	\$ 12,775	\$ 114,973
	Mobile Meshed VSAT Satellite System & Installation	-	-	\$ 126,233	\$ 12,623	\$ 113,610
	MSI Design and Implementation Services	-	-	\$ 81,116	\$ 8,112	\$ 73,004
Base.22.3.2	Performance Bond for SOW	-	-	\$ 6,345	-	\$ 6,345
Subtotal for System on Wheels:		\$ -	\$ -	\$ 1,218,696	\$ 121,235	\$ 1,097,461
STATION B EQUIPMENT (AMENDMENT NO. 4)						
	DTVRS - ASTRO Site Repeaters (ASR):	-	-	\$ 585,803	\$ 58,580	\$ 527,223
	700 MHz ASR - 6 Channel (Phase 1/Phase 2)	-	-	-	-	-
	UHF ASR - 11 Channel (Phase 1/Phase 2)	-	-	-	-	-

EXHIBIT C.2 - SCHEDULE OF PAYMENTS
PHASE 1 - SYSTEM DESIGN

Deliverable/Task/ Section No. <i>(Exhibit A, Exhibit B, or Base Document)</i>	Deliverable	Unilateral Option Sum <i>(Notes 3, 5, 6, 7, 8,9)</i>	Credits <i>(Note 11)</i>	Contract Sum Payable Amount <i>(Notes 3, 4, 5, 6, 7, 8,9, 10, 12, 13, 14)</i>	10% Holdback Amount	Payable Amount Less 10% Holdback
	Core License Upgrades for ASR Sites	\$ -	\$ -	\$ 149,548	\$ 14,955	\$ 134,593
	MOTOBRIDGE GX Communication Gateway	\$ -	\$ -	\$ 174,329	\$ 17,433	\$ 156,896
	Point-To-Point 4.9 GHz Backhaul	\$ -	\$ -	\$ 26,748	\$ 2,675	\$ 24,073
	Mobile Meshed VSAT Satellite System & Installation	\$ -	\$ -	\$ 126,233	\$ 12,623	\$ 113,610
	MSI Design and Implementation Services	\$ -	\$ -	\$ 99,820	\$ 9,982	\$ 89,838
Base.22.3.2	Performance Bond for Station B Equipment	\$ -	\$ -	\$ 6,566	\$ -	\$ 6,566
	Subtotal for Station B Equipment:	\$ -	\$ -	\$ 1,169,047	\$ 116,248	\$ 1,052,799
PROJECT DESCRIPTIONS FOR BOUNDED AREA COVERAGE IN PHASE 1 (AMENDMENT NO. 2)						
B.1.14.1	Detailed Project Description for Bounded Area Coverage at the following Sites: <i>(Note 4)</i>	\$ -	\$ -	\$ -	\$ -	\$ -
	Century Plaza	\$ -	\$ -	\$ 9,674	\$ 967	\$ 8,707
	LAC/HARBOR+UCLA MEDICAL CENTER	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS30	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS 51	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS 151	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS 164	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS 173	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS 005	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS 079	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS 084	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS 088	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	FS 095	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	Carson	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	San Pedro City Hall	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	West Hollywood Sheriff Station	\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
	Total for Bounded Area Coverage Project Descriptions:	\$ -	\$ -	\$ 173,110	\$ 17,311	\$ 155,799
LICENSE COORDINATION FEES FOR REPEATER SITES (AMENDMENT NO. 5)						
	License Coordination Fees	\$ -	\$ -	\$ 20,240	\$ -	\$ 20,240
PORTABLE RADIO EQUIPMENT, CONSOLETTES, & CONSOLES (AMENDMENT NO. 7)						
	APX 7000XE Portable Radios (450 Dual Band with UHF and 700 MHz Enabled and 150 Dual Band with UHF and VHF MHz Enabled) (Total Quantity 600) and Radio Accessories - Refer to Amendment 7, Attachment A.1, for specifications and a detailed cost breakdown	\$ -	\$ -	\$ 4,459,044	\$ -	\$ 4,459,044
	Subscriber Maintenance for 600 APX 7000XE Portable Radios Beyond Initial 5 Year Warranty Period (Year 6, Year 7, Year 8 at \$37,800 per year) (Service from the Start - LITE)	\$ -	\$ -	\$ 113,400	\$ -	\$ 113,400
	APX Console/ APX 7500 Control Station - Refer to Amendment 7, Attachment A.2, for specifications and a detailed cost breakdown.	\$ -	\$ -	\$ 216,215	\$ -	\$ 216,215
	Subscriber Maintenance for 20 APX7500 Control Stations Beyond the Initial 5 Year Warranty Period (Year 6, Year 7, Year 8 at \$1,908 per year) (Service from the Start - LITE)	\$ -	\$ -	\$ 5,724	\$ -	\$ 5,724
	Subscriber Maintenance for 10 APX 7500 Consolettes Beyond the Initial 5 Year Warranty Period (Year 6, Year 7, Year 8 at \$954 per year) (Service from the Start - LITE)	\$ -	\$ -	\$ 2,862	\$ -	\$ 2,862
	MC7500 Console - Refer to Amendment 7, Attachment A.3, for specifications and a detailed cost breakdown.	\$ -	\$ -	\$ 354,313	\$ -	\$ 354,313
	Bridge Warranty for NMS & Console Equipment - Refer to Amendment 7, Attachment A.3, for specifications and a detailed cost breakdown.	\$ -	\$ -	\$ 25,493	\$ -	\$ 25,493
	Total for Portable Radio Equipment, Consolettes, & Consoles:	\$ -	\$ -	\$ 5,177,051	\$ -	\$ 5,177,051
PORTABLE RADIO EQUIPMENT (AMENDMENT NO. 8)						
	APX 7000XE Portable Radios (400 Dual Band with UHF and 700 MHz Enabled and 54 Dual Band with UHF and VHF MHz Enabled) (Total Quantity 454) and Radio Accessories - Refer to Amendment 8, Attachment A, for specifications and a detailed cost breakdown	\$ -	\$ -	\$ 3,571,755	\$ -	\$ 3,571,755
	Subscriber Maintenance for 454 APX 7000XE Portable Radios Beyond Initial 5 Year Warranty Period (Year 6, Year 7, Year 8 at \$28,602 per year) (Service from the Start - LITE)	\$ -	\$ -	\$ 85,806	\$ -	\$ 85,806
	Performance Bond for Portable Radio Equipment	\$ -	\$ -	\$ 13,445	\$ -	\$ 13,445
	Total for Portable Radio Equipment:	\$ -	\$ -	\$ 3,671,006	\$ -	\$ 3,671,006

EXHIBIT C.2 - SCHEDULE OF PAYMENTS PHASE 1 - SYSTEM DESIGN

Deliverable/Task/ Section No. <small>(Exhibit A, Exhibit B, or Base Document)</small>	Deliverable	Unilateral Option Sum <small>(Notes 3, 5, 6, 7, 8,9)</small>	Credits <small>(Note 11)</small>	Contract Sum Payable Amount <small>(Notes 3, 4, 5, 6, 7, 8,9, 10, 12, 13, 14)</small>	10% Holdback Amount	Payable Amount Less 10% Holdback
PROJECT DESCRIPTIONS FOR POTENTIAL REPLACEMENT SITES (AMENDMENT NO. 9)						
B.1.14.1	Detailed Project Description for Potential Replacement Sites as follows:					
	Airport Courthouse (APC)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Beverly Hills' Coldwater Canyon Park (BHCCPRK)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Beverly Glen, Alternate Location (BVG-A)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Cerro Negro (CRN)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	LA City Hall East (LAHE)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Loop Canyon (LPC)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Lower Encinal Pump Station (LAHE)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Mirador (MIR)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Point Vicente (PVC)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Portshead Tank (PWT)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Westlake City Hall (WLK)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Inglewood County Courthouse (ICC)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Pacific Design Center (PDC)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Simpsons' Building (SIM)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Burnt Peak-3 (BUR3)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Frost Peak (Upper Blue Ridge) (FRP)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Grass Mountain (GMT)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Johnstone Peak (JPK-2)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Josephine Peak (JOP)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Magic Mountain (MML)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Mount Lukens-2 (MTL2)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Pine Mountain (PMT)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Sunset Ridge-2 (SUN-2)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Helipad 69 Bravo (BRV)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Philip Water Tank (PWT)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	Nicholas Canyon Water Tower (NCWT)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
Total for Project Descriptions for Potential Replacement Sites:		\$ -	\$ -	\$ 303,524	\$ 30,352	\$ 273,172
PROJECT DESCRIPTIONS FOR POTENTIAL REPLACEMENT SITE(S) (AMENDMENT NO. 10)						
B.1.14.1	Detailed Project Description for Potential Replacement Site(s) as follows:					
	Agoura Hills (AGH)	-	-	\$ 11,674	\$ 1,167	\$ 10,507
Total for Project Descriptions for Potential Replacement Sites:		\$ -	\$ -	\$ 11,674	\$ 1,167	\$ 10,507
POWER LOAD STUDY COSTS (AMENDMENT NO. 10)						
2.2.16	Power Load Study Cost(s)					
	Airport Courthouse (APC)			\$ 8,425	-	\$ 8,425
	Inglewood Courthouse (ICC)			\$ 8,425	-	\$ 8,425
Total for Power Load Study Costs:		\$ -	\$ -	\$ 16,850	\$ -	\$ 16,850
PROJECT DESCRIPTIONS FOR POTENTIAL REPLACEMENT SITE(S) (AMENDMENT NO. 11)						
B.1.14.1	Detailed Project Description for Potential Replacement Site(s) as follows:					
	Olinda	-	-	\$ 11,674	\$ 1,167	\$ 10,507
	H-17A	-	-	\$ 11,674	\$ 1,167	\$ 10,507
Total for Project Descriptions for Potential Replacement Sites:		\$ -	\$ -	\$ 23,348	\$ 2,335	\$ 21,013
FCC LICENSING (AMENDMENT NO. 12)						
B.1.6	FCC Licensing - Frequency Planning	-	-	\$ 284,041	\$ 28,404	\$ 255,637
	Licensing all LMR Subsystem Frequencies at all LMR Subsystem Sites	-	-	\$ 51,348	\$ 5,135	\$ 46,213
	RF Engineering Services	-	-	\$ 73,728	\$ 7,373	\$ 66,355
	Project Management Services for FCC Licensing	-	-	\$ 14,000	\$ 1,400	\$ 12,600
Total for FCC Licensing:		\$ -	\$ -	\$ 423,117	\$ 42,312	\$ 380,805
SPECIFIED EQUIPMENT BRIDGE WARRANTY (AMENDMENT NO. 12)						
	SOW			\$ 57,720	-	\$ 57,720
	UHF Stations	-	-	-	-	-
	700 MHz Stations	-	-	-	-	-
	Satellite Terminal	-	-	-	-	-
	PTP800 Backhaul	-	-	-	-	-
	Motobridge	-	-	-	-	-
	Station B	-	-	\$ 44,853	-	\$ 44,853
	UHF Stations	-	-	-	-	-

EXHIBIT C.2 - SCHEDULE OF PAYMENTS PHASE 1 - SYSTEM DESIGN

Deliverable/Task/ Section No. <small>(Exhibit A, Exhibit B, or Base Document)</small>	Deliverable	Unilateral Option Sum <small>(Notes 3, 5, 6, 7, 8,9)</small>	Credits <small>(Note 11)</small>	Contract Sum Payable Amount <small>(Notes 3, 4, 5, 6, 7, 8,9, 10, 12, 13, 14)</small>	10% Holdback Amount	Payable Amount Less 10% Holdback
	700 MHz Stations	-	-	\$ -	-	-
	Trailer	-	-	\$ -	-	-
	Satellite Terminal	-	-	\$ -	-	-
	PTP800 Backhaul	-	-	\$ -	-	-
	Motobridge	-	-	\$ -	-	-
	Early Equipment Shipment	-	-	\$ 351,772	-	\$ 351,772
	Core 1 & Repeater Sites	-	-	\$ -	-	-
	Core 2 Equipment	-	-	\$ 189,992	-	\$ 189,992
Base.22.3.2	Performance Bond for Specified Equipment Bridge Warranty	-	-	\$ 3,196	-	\$ 3,196
	Total for Specified Equipment Bridge Warranty:	-	-	\$ 647,533	-	\$ 647,533
PORTABLE RADIO EQUIPMENT (AMENDMENT NO. 12)						
	APX 7000XE Portable Radios (40 Dual Band with UHF and 700 MHz Enabled) (Total Quantity 40) and Radio Accessories - Refer to Amendment 7, Attachment A, for specifications and a detailed cost breakdown	-	-	\$ 333,005	-	\$ 333,005
	Subscriber Maintenance for 40 APX 7000XE Portable Radios Beyond Initial 5 Year Warranty Period (Year 6, Year 7, Year 8 at \$2,520 per year) (Service from the Start - LITE)	-	-	\$ 7,560	-	\$ 7,560
	APX 7500 Console and (Dual Band with UHF and 700 MHz Enabled) (Total Quantity 4) and Remote Control HD/CHIB Replacement - Refer to Amendment 12, Attachment A, for specifications and a detailed cost breakdown	-	-	\$ 36,732	-	\$ 36,732
	APX 7500 Control Station (Dual Band with UHF and 700 MHz Enabled) (Total Quantity 1) - Refer to Amendment 12, Attachment A, for specifications and a detailed cost breakdown	-	-	\$ 7,506	-	\$ 7,506
	Subscriber Maintenance for 4 APX 7500 Consoles and 1 APX 7500 Control Station Beyond the Initial 5 Year Warranty Period (Year 6, Year 7, Year 8 at \$477 per year) (Service from the Start - LITE)	-	-	\$ 1,431	-	\$ 1,431
	Total for Portable Radio Equipment			\$ 386,234		\$ 386,234
LEASE EXHIBIT (AMENDMENT NO. 13)						
	Baldwin Hills			\$ 532	\$ 53	\$ 479
	Black Jack Peak			\$ 532	\$ 53	\$ 479
	Bald Mountain			\$ 396	\$ 40	\$ 356
	Compton Court Building			\$ 532	\$ 53	\$ 479
	Claremont			\$ 396	\$ 40	\$ 356
	Castro Peak			\$ 532	\$ 53	\$ 479
	Dakin Peak			\$ 532	\$ 53	\$ 479
	Encinal 1 (Fire Camp)			\$ 532	\$ 53	\$ 479
	L.A. County Fire Command			\$ 532	\$ 53	\$ 479
	Green Mountain			\$ 532	\$ 53	\$ 479
	Hauser Peak			\$ 396	\$ 40	\$ 356
	Mira Loma Facility			\$ 532	\$ 53	\$ 479
	Mount McDill			\$ 532	\$ 53	\$ 479
	Monte Vista (Star Center)			\$ 532	\$ 53	\$ 479
	Oat Mountain			\$ 532	\$ 53	\$ 479
	Oat Mountain Nike			\$ 532	\$ 53	\$ 479
	Puente Hills			\$ 532	\$ 53	\$ 479
	Pomona 1620 Hillcrest			\$ 532	\$ 53	\$ 479
	Rolling Hills Transmit			\$ 532	\$ 53	\$ 479
	Rio Hondo			\$ 532	\$ 53	\$ 479
	San Dimas			\$ 532	\$ 53	\$ 479
	Signal Hill			\$ 532	\$ 53	\$ 479
	Saddle Peak			\$ 532	\$ 53	\$ 479
	Topanga Peak			\$ 532	\$ 53	\$ 479
	Tejon Peak			\$ 532	\$ 53	\$ 479
	Tower Peak			\$ 532	\$ 53	\$ 479
	100 Wilshire			\$ 532	\$ 53	\$ 479
	Airport Courthouse			\$ 532	\$ 53	\$ 479
	Olinda			\$ 396	\$ 40	\$ 356
	Total for Lease Exhibit			\$ 14,888	\$ 1,489	\$ 13,399
STATION B & SOW REPROGRAMMING (AMENDMENT NO. 14)						

EXHIBIT C.2 - SCHEDULE OF PAYMENTS PHASE 1 - SYSTEM DESIGN

Deliverable/Task/ Section No. <small>(Exhibit A, Exhibit B, or Base Document)</small>	Deliverable	Unilateral Option Sum <small>(Notes 3, 5, 6, 7, 8,9)</small>	Credits <small>(Note 11)</small>	Contract Sum Payable Amount <small>(Notes 3, 4, 5, 6, 7, 8,9, 10, 12, 13, 14)</small>	10% Holdback Amount	Payable Amount Less 10% Holdback
	Equipment			\$ 15,260	\$ 1,526	\$ 13,734
	MSI Design and Implementation Services			\$ 43,848	\$ 4,385	\$ 39,463
	Special Temporary Authority			\$ 5,148	\$ 515	\$ 4,633
Total for Station B & Sow Reprogramming				\$ 64,256	\$ 6,426	\$ 57,830
Total for Phase 1 - System Design		\$ -	\$ 9,517	\$ 41,863,635	\$ 3,126,007	\$ 38,737,628

Note 1: Should a Site fall out for permitting reasons, Contractor will redo the Final System Design at no charge to the Authority.

Note 2: 75% will occur at submittal for planning review. The remaining 25% will be paid upon receipt of construction permit.

Note 3: Pursuant to Amendment No. One, effective as of September 5, 2013, the Authority exercised the Unilateral Option for all work pertaining to Phase 1. In connection therewith, the Unilateral Option Sum for Phase 1 of \$29,266,721 was converted into a Contract Sum.

Note 4: Pursuant to Amendment No. Two, effective as of October 29, 2013, the Authority exercised the Unilateral Option for all work pertaining to Bounded Area Coverage Project Descriptions for Phase 1. In connection therewith, the Unilateral Option Sum for Bounded Area Coverage Project Descriptions for Phase 1 in the amount of \$173,110 was converted into a Contract Sum. The cost for the Project Descriptions for the Bounded Area Coverage only are reflected in Exhibit C.2 (Phase 1 - System Design) as amended and restated in Amendment No. 2. The balance of the remaining Unilateral Option Sum for Bounded Area Coverage Additive Alternate is reflected in Exhibit C.7 (Bounded Area Coverage Additive Alternate).

Note 5: Pursuant to Amendment No. Three, effective as of December 19, 2013, (a) Contractor's provision and implementation of certain equipment reflected in Exhibit C.2 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Three, was moved from Phases 3 and 4 to Phase 1; and (b) Contractor was engaged to provide and implement under Phase 1, certain additional equipment reflected in Exhibit C.2 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Three, (the equipment described in clauses (a) and (b) is collectively referred to as the "Specified Equipment").

In connection therewith, (i) a Unilateral Option Sum in the amount of \$4,362,681 was moved from Schedules C.4 (Schedule of Payments Phase 3 – Supply LMR System Components) and C.5 (Schedule of Payments Phase 4 – System Implementation) to Exhibit C (Schedule of Payments) to Schedule C.2 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Three, and thereafter such Unilateral Option Sum was converted to a Contract Sum; and (ii) a Unilateral Option Sum in the amount of \$1,285,230 was added to Schedule C.2 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Three, and thereafter such Unilateral Option Sum was converted to a Contract Sum.

Note 6: Pursuant to Amendment No. Four, effective as of December 19, 2013, Contractor was engaged to provide and implement under Phase 1, certain additional equipment and related services reflected in Exhibit C.1 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Four. In connection therewith, a Unilateral Option Sum in the amount of \$1,169,047 was added to Exhibit C.1 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Four, and thereafter such Unilateral Option Sum was converted to a Contract Sum.

Note 7: Pursuant to Amendment No. Five, effective as of March 27, 2014, license coordination fees for the Repeater Sites were reflected in Exhibit C.1 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Five. In connection therewith, a Unilateral Option Sum in the amount of \$20,240 was added to Exhibit C.1 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Five, and thereafter such Unilateral Option Sum was converted to a Contract Sum.

Note 8: Pursuant to Amendment No. Six, effective as of April 17, 2014, the enhancement of LAPDVDC's UPS to accommodate the installation and deployment of Core 2 was reflected in Exhibit C.1 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Six. In connection therewith, a Unilateral Option Sum in the amount of \$68,146 was added to Exhibit C.1 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Six, and thereafter such Unilateral Option Sum was converted to a Contract Sum.

Note 9: Pursuant to Amendment No. Seven, effective as of April 17, 2014, the purchase of portable radios, radio accessories, consolettes, and consoles. In connection therewith, a Unilateral Option Sum in the amount of \$5,177,051 was added to Exhibit C.1 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Seven, and thereafter such Unilateral Option Sum was converted to a Contract Sum.

Note 10: Pursuant to Amendment No. Eight, effective as of August 28, 2014, Exhibit C.1 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments) was revised to reflect the costs for the purchase of portable radios and radio accessories. In connection therewith, a Unilateral Option Sum in the amount of \$3,671,006 was added to Exhibit C.1 (Schedule of Payments Phase 1 – System Design) to Exhibit C (Schedule of Payments), as amended by Amendment No. Eight, and thereafter such Unilateral Option Sum was converted to a Contract Sum.

Note 11: Pursuant to Amendment No. Nine, effective November 19, 2014, the Authority removed 1 LMR System Site for Phases 1 through 4. As such, Credits were realized in the amount of \$646,001. However, the cost for preparing Project Descriptions for 26 potential replacement sites in the amount of \$303,524 was taken from the Credits. The remaining Credit balance of \$342,477 is reserved for use for a future replacement site.

Note 12: Pursuant to Amendment No. Ten, effective February 17, 2015, Exhibit C.1 (Schedule of Prices - System Design) was amended by Amendment No. 10 to reflect the conversion of Unilateral Option Sum to Contract Sum for (a) the addition of five (5) LMR System Sites; (b) the removal of four (4) sites; (c) Project Description Work for one (1) potential sites; and (d) the cost of power load studies for two (2) sites.

Note 13: Pursuant to Amendment No. Eleven, effective April 28, 2015, Exhibit C.1 (Schedule of Prices - System Design) was amended by Amendment No. 11 to reflect Project Description Work for two (2) potential sites.

Note 14: Pursuant to Amendment No. Twelve, effective August 27, 2015, Exhibit C.1 (Schedule of Prices - System Design) was amended by Amendment No. 12 to reflect the shifting of FCC Licensing costs from Phase 3 in the amount of \$284,041; increasing the FCC Licensing costs for enhanced scope by \$139,076; including costs for a bridge warranty for Specified Equipment in the amount of \$647,533; and purchasing portable radio equipment in the amount of \$386,234.

Note 15: Pursuant to Amendment No. Thirteen, effective October 30, 2015, Exhibit C.2 (Schedule of Prices - System Design) was amended by Amendment No. 13 to reflect the addition of lease exhibits to twenty-nine (29) LMR System Sites for a total cost of \$14,888.

Note 16: Pursuant to Amendment No. Fourteen, effective _____, 2015, Exhibit C.2 (Schedule of Prices - System Design) was amended by Amendment No. 14 to reflect the work related to reprogramming of UHF frequencies for the County of Los Angeles Sheriff's Department' Station B and the Authority's System On Wheels for a total of \$64,256.



LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

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PATRICK J. MALLON
EXECUTIVE DIRECTOR

November 5, 2015

LA-RICS Board of Directors
Los Angeles Regional Interoperable Communications System Authority (the "Authority")

Dear Directors:

AGREEMENT FOR FREQUENCY LICENSING COORDINATION SERVICES

SUBJECT

Board approval is requested to delegate authority to the Executive Director to execute, and renew, as necessary, an Agreement with the Association of Public-Safety Communications Officials International, Inc. (APCO), to allow APCO to provide frequency licensing services for all frequencies in the system design of the Authority's Land Mobile Radio (LMR) System.

RECOMMENDED ACTION

It is recommended that your Board:

1. Delegate authority to the Executive Director, or his designee, to execute an Agreement with APCO that will allow APCO to provide frequency licensing coordination services for all the frequencies operating on the Authority's LMR System for a not-to-exceed amount of \$1,000,000, for a term of five (5) years commencing on the Effective Date with three (3) additional one year renewal options. The Agreement shall be approved as to form by Counsel for the Authority.
2. Delegate authority to the Executive Director, or his designee, to renew the Agreement with APCO on an annual, as-needed basis, until either party terminates the Agreement pursuant to Section 4, (Term; Termination for

AGENDA ITEM I

Convenience) of the Agreement, which is enclosed, subject to availability of funds.

BACKGROUND

On August 15, 2013, your Board awarded Agreement No. LA-RICS 007 for the Land Mobile Radio (LMR) System that will provide public safety first responders real time mission critical voice and data communications to support day-to-day, mutual aid, task force, and provide immediate and coordinated assistance in times of emergency. The purpose of the hybrid LMR System is to provide a logical path for the Authority to operate fully public safety grade communications on both the UHF T-Band and 700 MHz spectrums and allow for a gradual migration that transitions off of UHF T-Band spectrum by 2023 as currently required by federal legislation, H. R. 3630.

APCO is a non-profit corporation certified by the Federal Communications Commission (FCC) as a public safety coordinator and specializes in providing full frequency management services for public safety agencies. APCO has a long history of serving public safety agencies, including many of the Authority Members, and has provided these similar services for Authority members.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended actions is to ensure that all frequencies on the Authority's LMR System are licensed in an expeditious manner by the only organization that is certified by the FCC to do so.

FISCAL IMPACT/FINANCING

Funding related to this Agreement shall be fully reimbursed by the Urban Areas Security Initiative (UASI) grants and/or the State Homeland Security Grant Program (SHSGP) grants.

FACTS AND PROVISIONS/LEGAL REQUIREMENT

The Counsel to the Authority has reviewed the recommended actions.

CONCLUSION

Upon the Board's approval of the recommended actions, on behalf of the Authority, the Executive Director will finalize and execute the Agreement.

Respectfully submitted,



PATRICK J. MALLON
EXECUTIVE DIRECTOR

PJM:MS:mbc

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c: Counsel to the Authority